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OM nucleic - nucleic search, using sw model
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Maximum DB seq length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                            Scoring table:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Title:
Perfect score:
                                                                                                                                 Database :
                                                                                                                                                                                                     Post-processing: Minimum Match 0%
Maximum Match 10
                                                                                                                                                                                                                                                                                                                                  Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             October 31, 2003, 02:39:38;
                                                                                                                                                                                                                                                                                                                                                                             569978 seqs, 220691566 residues
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                  Issued_Patents_NA:*

1: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/2/ina/CTUS_COMB.seq:*
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Copyright (c) 1993 - 2003 Compugen Ltd.
cgn2_6/ptodata/2/ina/backfiles1.seq:*
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pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	533.22	Score
	7.77777	Query Match I
1703 1703 1703 1703 1703 1703 1436 2252 7218 1335 1335 1495 1495 1495 1582 1582 1582 1582 645 645 645 4104 606	398 436 1703 1703 1703 1703	Length [
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US-09-444-295-3 US-09-597-732-3 US-09-597-731-3 US-09-679-185-3 US-08-218-831-1 US-08-218-831-1 US-08-210-286A-1 US-08-110-286A-1 US-08-110-286A-1 US-08-127-46-1 US-08-127-46-1 US-08-127-46-1 US-08-127-46-1 US-08-127-46-1 US-08-127-46-1 US-09-128-111-13 US-09-238-111-13 US-09-313-294A-7566	US-08-118-101A-5 US-09-679-185-1 US-09-135-021-77 US-09-135-020-3 US-09-135-010A-3 US-09-444-871-3 US-09-597-735-3	ID
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Sequence I', Appr	Sequence 17 April		Semience 17. Appl	Sequence 5, Appli	Sequence 6420, Ap	Common 6436 An	Company 337 App	Semience 336. App	Seguence 919, App	Sequence 1, Appri	Sequence 1, inpli		-	Sequence 22, Appr	1	2	Semience 20, Appl	Sequence 12, Appr		л 7 4	Sequence 823, App	Sequence 303, App

RESULT 1 US-08-118-101A-5 ; Sequence 5, Application US/08118101A ; Patent No. 5620892

ALIGNMENTS

GENERAL INFORMATION:

APPLICANT: Kuitz, Stephen B.
APPLICANT: Knickerbocker, Aron M.
APPLICANT: ADRESSING THE GENE ENCODING POTASSIUM TRANSPORTER MINK
TITLE OF INVENTION: EXPRESSING THE GENE ENCODING POTASSIUM TRANSPORTER MINK
TUMBER OF SEQUENCES:

AUMBER OF SEQUENCES:
ADDRESSEE: Burton Rodney
STREET: P.O. Box 4000
CITY: Princeton
STATE: New Jersey
COUNTRY: II.A.

ADDRESSEE: BUILDING
STREET; P.O. BOX 4000
CITY: Princeton
STATE: New Jersey
COUNTRY: U.S.A.
ZIP: 08543-4000
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/118,101A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Gaul, Timothy J.
REGISTRATION UNUBER: DC27
TELECOMMUNICATION INFORMATION:
TELEPHONE: (609) 252-4526
INFORMATION FOR SEQ ID NO: 5:

TELEFAX: (609) 252-4526
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 398 base pairs
TYPB: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 1..398

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APPLICANT: GOOZGO Jr., Alfred L.

APPLICANT: Roden, Dan M

TITLE OF INVENTION: METHOD OF SCREENING FOR SUSCEPTIBILITY TO TITLE OF INVENTION: DRUG-INDUCED CARDIAC ARRYTHMIA, FILE REFERENCE: Attorney Docket No. 645842 1242-33-2 CURRENT APPLICATION NUMBER: US/09/679,185

CURRENT APPLICATION NUMBER: 05/09/679,185

CURRENT FILING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: 60/158,696

PRIOR APPLICATION NUMBER: 60/158,696

PRIOR PILING DATE: 1999-10-08

NUMBER OF SEQ ID NOS: 11

SOFTWARE: Patentin Ver. 2.0

LENOTH: 436
                                                                                                                                                                                             US-09-135-021-77
                                                                                                                                                                                                                     RESULT 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: CDS
LOCATION: (29)..(418)
PUBLICATION INFORMATION:
JOURNAL: Biochem. Biophys. Res. Commun.
VOLUME: 161
PAGES: 176-181
DATE: May-1989
DATABASE ENTRY DATE: GenBank M26685
DATABASE ENTRY DATE: 1994-03-30
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US-09-679-185-1
                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                               Sequence 77, Application US/09135021A
Patent No. 6150104
             APPLICANT: Splawski, Igor
APPLICANT: Keating, Mark T.
TITLE OF INVENTION: A HOMOZYGOUS MUTATION IN KVLQT1 WHICH CAUSES JERVELL
TITLE OF INVENTION: AND LANGE-NIELSEN SYNDROME
FILE REFERENCE: 2323-128
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Patent No. 6458542
TRRENT APPLICATION NUMBER: US/09/135,021A
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                                                                                                                                                                                                                                                                                                                                                                                                                                CCTCTACGTCCTCATGGTACTGGGATTCTTCGGCTTCTTCACCCTGGGCATCATGCTGAG
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Pred. No. 5.3e-07;
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TYPE: DNA
ORCANIUM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (193)..(579)
US-09-135-021-77
                                                                                                                                                                                                                                                                                                                                         FILE REFRENCE: 2323-131

CURRENT APPLICATION NUMBER: US/09/135,020

CURRENT FILING DATE: 1998-08-17

EARLIER APPLICATION NUMBER: 08/921,068

EARLIER APPLICATION NUMBER: 08/921,068

EARLIER APPLICATION NUMBER: 08/921,333

EARLIER FILING DATE: 1996-02-29

EARLIER FILING DATE: 1996-10-29

EARLIER APPLICATION NUMBER: 60/019,014

EARLIER APPLICATION NUMBER: 60/094,477

EARLIER APPLICATION NUMBER: 60/094,477

EARLIER FILING DATE: 1998-07-29

ENGREER OF SEQ ID NOS: 114
                                                                                                                                                                          US-09-135-020-3
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US-09-135-020-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Keating, Mark T.
APPLICANT: Sanguinetti, Michael C.
APPLICANT: Sanguinetti, Michael C.
APPLICANT: Splawski, Igor
TITLE OF INVENTION: MUTATIONS IN THE KCNEI GENE ENCODING HUMAN mink WHICH
TITLE OF INVENTION: CAUSE ARRHYTHMIA SUSCEPTIBILITY THEREBY ESTABLISHING
TITLE OF INVENTION: KCNEI AS AN LQT GENE
                                                                                                              Query Match
Best Local
                                                                                                                                                                                                                                                                                                                  SEQ ID NO 3
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                                                                                                                                                                                                                                                  LENGTH: 1703
TYPE: DNA
ORGANISM: Homo
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Best Local s
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                                                                                                                                                                                       NAME/KEY: CDS
LOCATION: (193)..(579)
                                                                                                                                                                                                                                     FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT FILING DATE: 1998-08-17
EARLIER APPLICATION NUMBER: 08/874,655
EARLIER FILING DATE: 1997-06-13
EARLIER APPLICATION NUMBER: 60/094,477
RUMBER FILING DATE: 1998-07-29
NUMBER OF SEQ ID NOS: 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SOFTWARE: PatentIn Ver.
                                  223 CCTGTACCTCATGGTGATGATTGGAATGTTCTCTTTCATCATCGTGGCCATCCTGGTGAG 282
  324 CCTCTACGTCCTCATGGTACTGGGATTCTTCGGCTTCTTCACCCTGGGCATCATGCTGAG
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                                                                              Score 53.2; DB 3;
Pred. No. 1.1e-06;
0; Mismatches 53;
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Pred. No. 1.1e-06;
0; Mismatches 53
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                                                                                                                       Length 1703;
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383
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US-09-444-871-3
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US-09-135-010A-3
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GENERAL INFORMATION:
APPLICANT: Keating, Mark T.
APPLICANT: Sanguinetti, Michael C.
APPLICANT: Sanguinetti, Michael C.
APPLICANT: Splawski, Igor
TITLE OF INVENTION: MUTATIONS IN THE KCNEI GENE ENCODING HUMAN mink WHICH
TITLE OF INVENTION: CAUSE ARRHYTHMIA SUSCEPTIBILITY THEREBY ESTABLISHING
TITLE OF INVENTION: KCNEI AS AN LQT GENE
                                                                                                                                                      Sequence 3, Application US/09444871 Patent No. 6323026
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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Best Local Similarity
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PRIOR PILING DATE: 1998-07-29
PRIOR APPLICATION NUMBER: 08/9
PRIOR FILING DATE: 1997-08-29
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PRIOR APPLICATION NUMBER: 60/
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CURRENT APPLICATION NUMBER: US/09/135,010A
CURRENT FILING DATE: 1998-08-17
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APPLICANT: Sanguinetti, Mic
APPLICANT: Curran, Mark E.
APPLICANT: Landes, Gregory
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Splawski, Igor
TITLE OF INVENTION: KVLQT1 - A LONG QT SYNDROME
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ORGANISM: Homo sapiens
FEATURE:
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LOCATION: (193)..(579)
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Curran, Mark E.
Landes, Gregory M.
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GENERAL INFORMATION:

APPLICANT: Keating, Mark T.

APPLICANT: Curran, Mark E.

APPLICANT: Curran, Mark E.

APPLICANT: Connors, Timothy C.

APPLICANT: Landes, Gregory M.

APPLICANT: Endes, Gregory M.

APPLICANT: Endes, Gregory M.

APPLICANT: Burn, Timothy C.

APPLICANT: Splawski, Igor

ITITE OF INVENTION: KVIQTI - A LONG OT SYNDROME GENE

FILE REFERENCE: 2323-133

CURRENT FILING DATE: 2000-06-19

CURRENT APPLICATION NUMBER: 09/135,010

EARLIER APPLICATION NUMBER: 60/094,477

EARLIER APPLICATION NUMBER: 60/094,477

EARLIER APPLICATION NUMBER: 60/094,477

EARLIER FILING DATE: 1998-07-29

EARLIER FILING DATE: 1998-07-29

EARLIER FILING DATE: 1997-08-29

EARLIER APPLICATION NUMBER: 08/921,068

EARLIER APPLICATION NUMBER: 08/921,068

EARLIER APPLICATION NUMBER: 08/739,383

EARLIER APPLICATION NUMBER: 08/739,383
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CURRENT FILING DATE: 1999-11-22
EARLIER APPLICATION NUMBER: US 09/135,020
EARLIER FILING DATE: 1998-08-17
EARLIER FILING DATE: 1998-08-17
EARLIER FILING DATE: 1998-08-29
EARLIER APPLICATION NUMBER: 08/739,383
EARLIER APPLICATION NUMBER: 08/739,383
EARLIER APPLICATION NUMBER: 06/019,014
EARLIER FILING DATE: 1996-10-29
EARLIER FILING DATE: 1995-12-22
EARLIER APPLICATION NUMBER: 60/019,014
EARLIER APPLICATION NUMBER: 60/019,014
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Best Local Similarity
Matches 98; Conserv
                                                     SEQ ID NO 3
LENGTH: 1703
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                                                                                                        SOFTWARE: Patentin Ver.
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LOCATION: (193)..(579)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Homo
TYPE: DNA ORGANISM: Homo sapiens
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Pred. No. 1.1e-06;
0; Mismatches 53;
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US-09-444-295-3
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; NAME/KEY: CDS
; LOCATION: (193)..(579)
US-09-597-735-3
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PRIOR FILLING DATE: 1998-08-17
PRIOR PELICATION NUMBER: 08/921,068
PRIOR FILLING DATE: 1997-08-29
PRIOR APPLICATION NUMBER: 08/739,383
PRIOR APPLICATION NUMBER: 08/739,383
PRIOR FILING DATE: 1996-10-29
PRIOR PELICATION NUMBER: 60/019,014
PRIOR FILING DATE: 1995-12-22
PRIOR APPLICATION NUMBER: 60/094,477
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LENGTH: 1703
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APPLICANT: Keating, Mark T.
APPLICANT: Sanguinetti, Mi
APPLICANT: Splawski, Igor
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Best Local Similarity 63.6%;
Matches 98; Conservative
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Best Local Similarity
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Patent No. 6432644
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TITLE OF INVENTION: MUTATIONS IN THE KCNEI GENE ENCODING HUMAN mink WHICH
TITLE OF INVENTION: CAUSE ARRHYTHMIA SUSCEPTIBILITY THEREBY ESTABLISHING
TITLE OF INVENTION: KCNEI AS AN LQT GENE
FILE REFERENCE: 2323-131
CURRENT APPLICATION NUMBER: US/09/444,295
CURRENT FILING DATE: 1999-11-22
CURRENT FILING DATE: 1999-11-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR FILING DATE: 1998-07-29
NUMBER OF SEQ ID NOS: 114
                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Homo
                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: CDS
LOCATION: (193)..(579)
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                                      AGAGGACTGGCAGGAAAAGTACAAGAGCCAAATC 373
                                                                                                                                                                        CCTCTACGTCCTCATGGTACTGGGATTCTTCGGCTTCTTCACCCTGGGCATCATGCTGAG
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CGATGCCTGGCAAGAGAAGGACAAGGCCTATGTC 477
                                                                                  CTACATCCGCTCCAAGAAGCTGGAGCACTCGAACGACCCATTCAACGTCTACATCGAGTC 443
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Pred. No. 1.1e-06;
0; Mismatches 53;
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Pred. No. 1.1e-06;
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APPLICANT: CUTTAIN, MARK E.
APPLICANT: CUTTAIN, MARK E.
APPLICANT: Landes, Gregory M.
APPLICANT: Landes, Gregory M.
APPLICANT: Burn, Timothy C.
APPLICANT: Burn, Timothy C.
APPLICANT: Bylawski, Igor
TITLE OF INVENTION: KVLQT1 - A LONG QT SYNDROME GEN
FILE REFERENCE: 2323-133
CURRENT APPLICATION NUMBER: US/09/597,732
CURRENT FILING DATE: 2000-06-19
PRIOR APPLICATION NUMBER: 09/135,010
PRIOR FILING DATE: 1998-08-17
PRIOR FILING DATE: 1998-08-17
PRIOR APPLICATION NUMBER: 00/094,477
PRIOR APPLICATION NUMBER: 08/921,068
PRIOR FILING DATE: 1997-08-29
PRIOR APPLICATION NUMBER: 08/339,383
PRIOR FILING DATE: 1997-08-29
PRIOR APPLICATION NUMBER: 08/739,383
PRIOR FILING DATE: 1995-12-29
PRIOR PRIOR DATE: 1995-12-22
NUMBER: DATE: 1995-12-22
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APPLICANT: Sanguinetti, Michael C.
APPLICANT: Curran, Mark B.
APPLICANT: Curran, Mark B.
APPLICANT: Connors, Timothy D.
APPLICANT: Connors, Timothy C.
APPLICANT: Splawski, Igor
TITLE OF INVENTION: KVLQT1 - A LONG QT SYNDROME GEN
FILE REFERENCE: 2323-133
CURRENT APPLICATION NUMBER: US/09/597,731
CURRENT APPLICATION NUMBER: 09/135,010
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APPLICANT: Keating:
APPLICANT: Sanguinet
APPLICANT: Curran, M
APPLICANT: Landes, G
APPLICANT: Connors;
                                                                                                                                                                                                                                                                                                                                                              RESULT 10
US-09-597-731-3
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US-09-597-732-3
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                                                                                                                                                                                                                                                                                                                                 Sequence 3, Application US/09597731
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                                                                                                                                                                                                                                                                                                                Patent No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches 98;
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APPLICANT: Sanguinetti, Mi
APPLICANT: Curran, Mark B.
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TYPE: DNA
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NAME/KEY: CDS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    y Match 7.3%;
Local Similarity 63.6%;
hes 98; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                             444 CGATGCCTGGCAAGAGAAGGACAAGGCCTATGTC 477
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 340 AGAGGACTGGCAGGAAAAGTACAAGAGCCAAATC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    384 CTACATCCGCTCCAAGAAGCTGGAGCACTCGAACGACCCATTCAACGTCTACATCGAGTC 443
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Pred. No. 1.1e-06;
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PRIOR APPLICATION NUMBER: 60/ PRIOR FILING DATE: 1995-12-22

NUMBER OF SEQ ID NOS:

PRIOR APPLICATION NUMBER: 08/PRIOR FILING DATE: 1997-08-29

APPLICATION NUMBER: 08/

08/739,383 0-29 60/019,014

08/921,068

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280 CAATGCCTGGCAAGAGAAGGACAAGGCCTATGTC 313

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; LOCATION: (29)..(418)
US-09-679-185-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: George Jr., Alfred L.
APPLICANT: Roden, Dan M
TITLE OF INVENTION: METHOD OF SCREENING FOR SUSCEPTIBILITY
TITLE OF INVENTION: DRUG-INDUCED CARDIAC ARRYTHMIA
FILE REFERENCE: Attorney Docket No. 645842 1242-33-2
CURRENT APPLICATION NUMBER: U500/679,185
CURRENT FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: 60/158,696
                                                                                                                                                                                                                            Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                         SEQ ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 3, Applic Patent No. 6458542
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SEQ ID NO 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: PatentIn Ver.
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NAME/KEY: CDS
LOCATION: (193)..(579)
                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Homo sapiens
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Local Similarity 63.6%;
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340 AGAGGACTGGCAGGAAAAGTACAAGAGCCAAAATC 373
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                                                         CTACATCCGCTCCAAGAAGCTGGAGCACTCGAACGACCCATTCAACGTCTACATCGAGTC
                                                                                                                                                                                                              Conservative
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Pred. No. 1.7e-06;
0; Mismatches 54;
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                                                                                                                                              Matches
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APPLICANT: Schwei
APPLICANT: Tocque
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SOFTWARE: Word 5.1 (EPO Patent CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/318,
FILING DATE: 19 October 1994
CLASSIFICATION: 435
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                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear MOLECULE TYPE: CDN
                                                                                                                                                                                                                                                               FEATURE:
NAME/KEY:
LOCATION:
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NAME: Smith, Julie K.
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                                                                                                                                                                                                                                                FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NAME: Smith, Julie K.
REGISTRATION NUMBER: P-38,6:
REFERENCE/DOCKET NUMBER: STI
TELECOMMUNICATION INFORMATION:
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APPLICATION NUMBER:
FILING DATE: 21-APR-
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CORRESPONDENCE ADDRESS:
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TITLE OF INVENTION:
TITLE OF INVENTION:
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                                                                                                                                                                                                                   NAME/KEY:
LOCATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ZIP: 19426
                                                                                                                                                          Local Similarity
                                                                                                                                                                                                                                                                                                                         NAME/KEY:
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                                                                                                                                                                                                                                                                                                                                                                                                             LENGTH: 2652 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
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                                                                                                      TTTATTACTTATATGGACAATTGGCGCCAGAACACAGAGAGCAAGAGAGCCCTCCAA 187
ATGTTCTCTTTCATCATCGTGGCCATC 274
                                                        GCCAAAGTTGATGCTGAGAACTTCTACTATGTCATCCTGTACCTCATGGTGATGGATTGGA 247
                                                                                     TCTACGAGTCTTCTCCGAATAGAACCAAAACTCCCCACCTGAAGCTGTGCCCAGCCCA
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445..2445
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                                                                                                                                                                                                                      (SEQ ID
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                                                                                                                                            Score 36.6; D
Pred. No. 0.25
0; Mismatches
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Best Local
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                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 7218 base pair
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REGISTRATION NUMBER: 29,768
REFERENCE/DOCKET NUMBER: 30
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)836-9300
TELEPAX: (703)683-4109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/0:
FILING DATE:
APPLICATION NUMBER: EP 91
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compartable
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,463
                                                                                                                                                                                                                                                                                                                                                               IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: DOKNER, APPLICANT: SCHEIFLINGER, P. G.
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PRIOR APPLICATION DATA:
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CITY: Alexandria
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TITLE OF INVENTION: REC
NUMBER OF SEQUENCES: 53
                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                CLONE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: USA
ZIP: 22313-0299
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   397
                                457 GGCACCAAGCTAACATCTGACGTCCAGACATGAAGAGATGCCAGTGCCACGAGGCAAATC 516
                                                                                                                                                                337 TGTAGAGGACTGGCAGGAAAAGTACAAGAGCCAAATCTTGAATCTAGAAGAATCGAAGGC
                                                                                                                                                                                                                                 277 GGTGAGCACTGTGAAATCCAAGAGACGGGAACACTCCAATGACCCCTACCACCAGTACAT
                                                                                                                                                                                                                                                              h 4.9%; Score 36.2; DB 1; Length 7218; Similarity 2.3%; Pred. No. 0.58; 8; Conservative 191; Mismatches 144; Indels 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               5670367
                                                                  CACCATCCATGAGAACATTGGTGCGGCTGGGTTCAAAATGTCCCCCCTGATAAGGGAGAAA 456
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1800 Diagonal Road,
                                                                                                                                                                                                                                                                                                                                                                               linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Stephen A
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US-09-016-434-1360
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US-09-016-434-1360
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                                                                                                                                                                                                  Best Local Similarity Matches 78; Conserv
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                                                                                                                                                                                                                                  Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Janice Au-Y
APPLICANT: Jeffrey J.
                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (650) 845-41 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IEM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                   IMMEDIATE SOURCE:
LIBRARY: GENBA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
CLASSIFICATION:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CLASSIFICATION: PRIOR APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOPTWARE: Word Perfect 6.1 for Windows/MS-DOS CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,434
                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP:
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988
                                                                                    248 ATGTTCTCTTTCATCATCGTGGCCATCCTGGTGAGCACTGTGAAATCCAAGAGAGACGGGAA 307
                                                                                                                                                                 188 GCCAAAGTTGATGCTGAGAACTTCTACTATGTCATCCTGTACCTCATGGTGATGATTGGA 247
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     517 CAAATTGTCTTTGCTTAGAAGAAAGTGAGTTCCTTGCTCTTTGTTGAGAATTTTCATGGA 576
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                                                                                                                                                                                                                                                                                                                                                                    nucleic acid
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TCCACCACGTCTGAGACCATTCAGTACA 1015
                             CACTCCAATGACCCCTACCACCAGTACA 335
                                                                CTGATCAATTTCATCTTCCTTTTCAACATCGTCCGCATCCTCATGACCAAGCTCCGGGCA
                                                                                                                                GGCAAAAGGCCTGGGGTGTACACCGACTACATCTACCAGGGCCCCATGATCCTGGTCCTG 927
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ilarity 52.7%;
Conservative
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Jeffrey J. Seilhamer
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Pred. No. 0.26;
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US-08-110-286A-1
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Best Local S
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/079,320
FILING DATE: 18-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P41 9439
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:

APPLICANT: Perrin, Marilyn H.

APPLICANT: Chen, Ruoping
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEPAX: 619-546-9392
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1380 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/110,286A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 STREET: 4** CITY: Los Angeles
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 South Flower Street, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Lewis, Kathy A.
APPLICANT: Vale Jr., Wylie W.
APPLICANT: Donaldson, Cynthia J.
TITLE OF INVENTION: CLONING AND RECOMBINANT PRODUCTION OF
TITLE OF INVENTION: CRF RECEPTOR(S)
NUMBER OF SEQUENCES: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEPHONE: 619-546-4737
                                                                                                                                                                                                                                                                                                                                     NAME/KEY: CDS
LOCATION: 82..1329
OTHER INFORMATION: /
OTHER INFORMATION: /
OTHER INFORMATION: /
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: USA
ZIP: 90071
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILING DATE:
                                                                             922
                                                                                                                                                                                     188 GCCAAAGTTGATGAGAAACTTCTACTATGTCATCCTGTACCTCATGGTGATGATTGGA 247
982 TCCACCACGTCTGAGACCATTCAGTACA 1009
                                     308 CACTCCAATGACCCCTACCACCAGTACA 335
                                                                                                                248 ATGTTCTCTTTCATCATCGTGGCCATCCTGGTGAGCACTGTGAAAATCCAAGAGACGGGAA 307
                                                                                                                                                        862 GGCAAAAGGCCTGGGGTGTACACCGACTACATCTACCAGGGCCCCATGATCCTGGTCCTG
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                                                                                                                                                                                                                                                            Similarity
                                                                           CTGATCAATTTCATCTTTCCAACATCGTCCGCATCCTCATGACCAAGCTCCGGGCA
                                                                                                                                                                                                                                       Conservative
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                                                                                                                                                                                                                                                          4.9%;
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CRP-RESPIOR"
/note= "This sequence is encoded by clone
"CRF-R1"."
                                                                                                                                                                                                                                   Score 36; DB 1; Length 1380; Pred. No. 0.26; 0; Mismatches 70; Indels
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Search completed: October 31, 2003, 03:33:24 Job time: 58.0573 secs

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Result
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Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 2000000000
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Perfect score:
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score grea
and is der
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1: /cgn2-6/ptodata/1/pubpna/U
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Gapop 10.0 , Gapext 1.0
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: /cgn2 6/ptodata/1/pubpna/US06 NEW PUB.seq:*
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Copyright (c) 1993 - 2003 Compugen Ltd.
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Length DB I 732 14 113604 14 113604 14 1372 9 U 312 9 U 312 9 U 471 9 U 471 9 U 231 9 U 231 9 U 390 12 65 12 65 12 65 12 65 12 1703 12
Watch Length DB 99.8 113604 14 99.8 113604 14 99.8 13604 14 99.8 13604 14 99.8 1360 19 50.3 450 9 41.8 471 9 41.8 471 9 41.8 471 9 7.3 65 12 7.3 65 12 7.3 390 12 7.3 390 12 7.3 1200 12
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ID US-10-207-195A-1 US-10-27-195A-2 US-09-864-761-33139 US-09-864-761-363 US-09-864-761-20233 US-09-864-761-16671 US-09-9864-761-12023 US-09-9864-761-120783 US-09-9864-761-17593 US-09-864-761-17593 US-09-864-761-17593 US-09-864-761-17593 US-10-268-861-1 US-10-268-861-1 US-10-224-683-5 US-10-224-683-5

18 53.2 7.3 113604 14 US-10-227-195A-1 19 53.2 7.3 113604 14 US-10-227-195A-2 20 51.6 7.0 436 14 US-10-227-195A-2 21 50.8 6.9 468 9 US-09-864-761-810 21 46 6.3 381 9 US-09-864-761-810 22 46 5.3 39.4 5.4 41 12 US-10-224-683-173 25 39.4 5.4 41 12 US-10-224-683-173 25 39.4 5.4 41 12 US-10-224-683-173 26 37.4 5.1 3673778 12 US-10-224-683-172 29 36.4 5.1 146 9 US-09-853-386-111 30 36 4.9 1146 9 US-09-853-386-111 31 36 4.9 1146 12 US-10-224-683-172 29 36.4 5.0 41 12 US-10-224-683-173 31 36 4.9 1146 12 US-09-999-998-7 32 36 4.9 1146 14 US-09-999-998-7 33 36 4.9 1126 9 US-09-853-386-117 34 36 4.9 1206 9 US-09-853-386-117 35 36 4.9 1206 9 US-09-853-386-117 36 4.9 1206 9 US-09-853-386-117 37 36 4.9 1206 9 US-09-853-386-117 38 36 4.9 1206 9 US-09-853-386-117 39 36 4.9 1206 9 US-09-853-386-117 30 36 4.9 1206 9 US-09-979-978-7 31 32 36 4.9 1206 9 US-09-979-978-7 34 36 4.9 1285 12 US-09-799-978-1 35 36 4.9 1285 12 US-09-799-978-1 36 4.9 2536 12 US-09-799-978-1 37 36 4.9 2536 12 US-09-799-978-1 38 36 4.9 2536 12 US-09-191-724-1 39 36 4.9 3673778 12 US-10-312-841-1 40 36 4.9 3673778 12 US-10-312-841-1 41 31 31 4.9 4057 14 US-10-239-676-181 42 31.8 4.9 4057 14 US-10-239-676-181 43 31.8 4.9 4057 14 US-10-184-644-522
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US-10-227-195A-1 US-10-227-195A-2 US-10-260-861-3 US-09-864-761-810 US-09-864-761-810 US-10-311-455-1094 US-10-224-683-173 US-10-224-683-175 US-10-224-683-172 US-10-224-683-171 US-09-853-386-117 US-09-799-978-1 US-09-191-724-14

ALIGNMENTS

RESULT 1 US-10-000-151B-5

DB QY	Qy Db	gg Qy	A 48	Query Match Best Local Matches 73	Sequence of the public
181 CCTCCAAGCCAAAGTTGATGCTGAGAACTTCTACTATGTCATCCTGTACCTCATGGTGAT 240	121 AAGGATTITTATTACTTATATGGACAAATTGGCGCCAGAACACAACAGCTGAGCAAGAGGG 180 	61 GCAGGAGGAAGCATGTCTACTTTATCCAATTTCACACAGACGCTGGAAGACGTCTTCCG 120	1 CAAATCCAGAAAAGATCCGTTTTCCTAACCTTGTTCGCCTATTTTATTATATTTGCA 60	Query Match 99.8%; Score 730.4; DB 14; Length 732; Best Local Similarity 99.9%; Pred. No. 7.9e-209; Matches 731; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	Sequence 5, Application US/10000151B ; Sequence 5, Application No. US20030013136A1 ; Publication No. US20030013136A1 ; Publication No. US20030013136A1 ; APPLICANT: Balser, Jeffrey R. APPLICANT: Balser, Jeffrey R. APPLICANT: George, Alfred L. TITLE OF INVENTION: HUMAN KCR1 REGULATION OF HERG POTASSIUM CHANNEL BLOCK ; FILE REFERENCE: Vanderbilt Ref No. US20030013136A1 VU0120; Attorney Docket No. US2003 ; CURRENT APPLICATION NUMBER: US/10/000,151B ; CURRENT FILING DATE: 2000-10-30 ; NUMBER OF SEQ ID NOS: 5 ; SOFTWARE: PATENTIAN VERSION 3.1 ; SEQ ID NO 5 ; LENGTH: 732 ; TYPE: DNA ORGANISM: Homo Sapiens

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APPLICANT: Cox, David
APPLICANT: Arnold, Deana
APPLICANT: Arnold, Deana
TITLE OF INVENTION: Haplotype structure of chromosome 21
FILE REFERENCE: 1030U1
CURRENT APPLICATION NUMBER: US/10/227,195A
CURRENT PILING DATE: 2002-11-18
NUMBER OF SEQ ID NOS: 2
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1
LENGTH: 113604
TYPE: DNA
ORGANISM: Human
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, NAME/KRY: misc feature
, LOCATION: 7175, 7204, 36973, 66372, 76921,
; OTHER INFORMATION: n = G or C
US-10-227-195A-1
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US-10-227-195A-1
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                                                                                                                        Query Match 99.8%;
Best Local Similarity 99.9%;
Matches 731; Conservative
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                                                                                                                         Score 730.4; DB 14; Length 113604;
Pred. No. 1.5e-207;
0; Mismatches 1; Indels 0; G
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Sequence 2, Application US/10227195A
Publication No. US20030077633A1
GENERAL INFORMATION:
APPLICANT: Cox, David
APPLICANT: Arnold, Deana
TITLE OF INVENTION: Haplotype structure of ch.
FILE REFERENCE: 1030U1
CURRENT APPLICATION NUMBER: US/10/227,195A
CURRENT FILING DATE: 2002-11-18
NUMBER OF SEQ ID NOS: 2
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 113604
TYPE: DNA
ORGANISM: Human
GRANISM: Human
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                                                                                                     Query Match
Best Local Similarity
Matches 731; Conserv
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61 GCAGGAGGAAGCATGTCTACTTTATCCAATTTCACACAGACGCTGGAAGACGTCTTCCG
                                                               AAGGATTTTTATTACTTATATGGACAATTGGCGCCAGAACACACAGCTGAGCAAGAGGGC
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                                                                                                         Conservative
                                                                                                                       99.8%;
                                                                                                         0;
                                                                                                       Score 730.4; DB 14;
Pred. No. 1.5e-207;
0; Mismatches 1;
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                                                                                                                                       Length 113604;
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RESULT 4
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FILE REFERENCE: Acomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT PILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR PILING DATE: 2000-02-04
PRIOR PPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR PILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
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                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
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PRIOR FILING DATE: 2001-01-30
PRIOR PPLICATION NUMBER: PCT/USO1/00664
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR APPLICATION NUMBER: PCT/USO1/00665
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR PILING DATE: 2001-01-30
PRIOR PPLICATION NUMBER: PCT/USO1/00663
PRIOR PILING DATE: 2001-01-30
PRIOR PPLICATION NUMBER: PCT/USO1/00662
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00662
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PRIOR APPLICATION NUMBER: PCT/USO1/00661
PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR PILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/234,687
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PRIOR FILING DATE: 2000-09-21
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SOFTWARE: Annomax Sequence |
SEQ ID NO 33139
LENGTH: 372
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EXPRESSED IN HELA, SIGNAL = 0.98

EXPRESSED IN HEL100, SIGNAL = 0.67

EST HUMAN HIT: A1654552.1, EVALUE 0.00e+00

SWISSPROT HIT: Q9Y6J6, EVALUE 8.00e-67

NT HIT: gill526220, EVALUE 0.00e+00
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Pred. No. 2.7e-101;
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US-09-864-761-3463
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SEQ ID NO 3463
   Matches
                                Query Match
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                                                                                 OTHER INFORMATION: E
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CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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PRIOR FILING DATE: 2000-08-03
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FEATURE:
OTHER INFORMATION:
                                                                                                                                                                                                                                                                                                   TYPE: DNA
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                    Local
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APPLICATION NUMBER: PCT/US01/00668
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00663
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00664
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                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US 09/774,203 FILING DATE: 2001-01-29
                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICATION NUMBER: US 09/608,408 FILING DATE: 2000-06-30
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APPLICATION NUMBER: PCT/US01/00670
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FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00662
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 368,
                    Similarity
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Hanzel, David K.
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                 Score 368;
Pred. No.
                                                                               IN BONE MARROW, SIGNAL = 1
IN HBL100, SIGNAL = 1.1
IN ABL100, SIGNAL = 1.1
IN ABLAIN, SIGNAL = 0.92
IN HEART, SIGNAL = 1.4
IN PLACENTA, SIGNAL = 1.4
IN PLACENTA, SIGNAL = 1
IN FETAL LIVER, SIGNAL = 1
IN FETAL LIVER, SIGNAL = 1.2
IN LUNG, SIGNAL = 0.94
IN BT474, SIGNAL = 0.88
   Mismatches
                  4.7e-100;
                                  DB 9;
                                Length 450
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Gaps
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RESULT 6
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CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR PILING DATE: 2000-02-04
PRIOR PILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-08-03
PRIOR PILING DATE: 2000-08-03
PRIOR PPLICATION NUMBER: US 69/632,366
PRIOR PRILING DATE: 2000-10-04
PRIOR PPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR PILING DATE: 2001-01-30 GENERAL INFORMATION: Patent No. PRIOR PRIOR PRIOR PRIOR PRIOR APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY FILE REFERENCE: Aeomica-X-1 CURRENT APPLICATION NUMBER: US/09/864,761 APPLICATION NUMBER: PCT/US01/00662
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00661
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00670
FILING DATE: 2001-01-30 APPLICATION NUMBER: PCT/US01/00663 FILING DATE: 2001-01-30 FILING DATE: 2001-01-30 FILING DATE: 2001-01-30 APPLICATION NUMBER: PCT/US01/00669 APPLICATION NUMBER: PCT/US01/00668 APPLICATION NUMBER: PCT/US01/00665 FILING DATE: 2001-01-30 FILING DATE: 20233, Application US/09864761 5. US20020048763A1 David 2001-01-30 David R. David K.

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US-09-864-761-16671
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OTHER INFORMATION: EXPRESSED IN BULLO, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN HULLO, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN HULLO, SIGNAL = 1.3

OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.92

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.4

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.4

OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.2

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.94

OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 0.98

OTHER INFORMATION: SWISSPROT HIT: Q976J6, EVALUE 0.00e+00

OTHER INFORMATION: SWISSPROT HIT: AF302095.1, EVALUE 0.00e+00
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Best Local S
Matches 312
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                                                                                                                                                                                                                                                          GENERAL INFORMATION:
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                     APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Acomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
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PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
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ORGANISM: Homo sapiens
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  APPLICATION
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NUMBER: US 60/180,312
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100.0%; Pred. No. 2.6e-83;
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/USO1/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR APPLICATION NUMBER: PCT/USO1/00664
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR APPLICATION NUMBER: PCT/USO1/00661
PRIOR APPLICATION NUMBER: US 60/234,687
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Best Local
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SEQ ID NO 16671
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches 306;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OTHER INFORMATION: MAP TO APOOO120.1
OTHER INFORMATION: EXPRESSED IN HELA, S
OTHER INFORMATION: EXPRESSED IN HBL100,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapiens FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                            346
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                                                                                                                                                                                                                                                                                   AAGGATTTTTATTACTTATATGGACAATTGGCGCCAGAACACAACAGCTGAGCAAGAGGC
                                                                                                                                                                                                                                                                                                                                                                                      GCAGGAGGGAAGCATGTCTACTTTATCCAATTTCACACAGACGCTGGAAGACGTCTTCCG
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                                                                           GATTGGAATGTTCTCTTTCATCATCGTGGCCATCCTGGTGAGCACTGTGAAATCCAAGAG
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300 405 240 345 120 225

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ACGGGA 471

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; ORGANISM: Rattus norvegicus
US-09-908-975-1989
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                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 32337
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1989
                                                                                        Matches
                                                                                                                            Query Match
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                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/09/908,975
CURRENT FILING DATE: 2001-07-20
PRIOR APPLICATION NUMBER: US 60/287,724
PRIOR FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: US 60/221,607
PRIOR APPLICATION NUMBER: US 60/221,607
PRIOR FILING DATE: 2000-07-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: 36688-0005
CURRENT APPLICATION NUMBER: US/09/908,975
CURRENT FILING DATE: 2001-07-20
PRIOR APPLICATION NUMBER: US 60/287,724
PRIOR PILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: US 60/221,607
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: SHOSHAN, Avi
APPLICANT: WASSERMAN, Alon
APPLICANT: MINTZ, Eli
APPLICANT: MINTZ, List
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NUMBER OF SEQ ID NOS: 32337
SOFTWARE: PatentIn version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: FAIGLER, Simchon
TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND SPLICE
TITLE OF INVENTION: THAT POPULATE A TRANSCRIPTOME
FILE REFERENCE: 36688-0005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: FAIGLER, Simchon
TITLE OF INVENTION: OLIGONUCLEOTIDE LIBRARY FOR DETECTING RNA TRANSCRIPTS AND
TITLE OF INVENTION: THAT FORULATE A TRANSCRIPTOME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: SHOSHAN, AVI
APPLICANT: WASSERMAN,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                             LENGTH: 65
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Local Similarity 100.0%;
hes 60; Conservative (
                                                                                                           Local
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                                 206 AACTTCTACTATGTCATCCTGTACCCTCATGGTGATGATGGAATGTTCTCTTTCATCATC 265
                                                                                                           Similarity
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MINTZ, Eli
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                                                                                      Conservative
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Pred. No. 5.3e-0
                                                                                                         Score 53.8;
Pred. No. 4e
                                                                                      Mismatches
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                                                                                                       4e-06;
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                                                                                                                            DB 12;
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CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 99/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR PILING DATE: 2000-08-03
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00669
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LENGTH: 231
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APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Acomica-X-1
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SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
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PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
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OTHER INFORMATION: MAP TO APO00121.1
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.1
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.94
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.59
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.74
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.66
OTHER INFORMATION: EXPRESSED IN HETAL LIVER, SIGNAL = 0.66
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.7
                                                                                                                                                                                                                                                                                                                                                                                              ORGANISM: Homo sapiens FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
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APPLICATION NUMBER: PCT/US01/00668
FILING DATE: 2001-01-30
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5. US20020048763A1
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CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
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                                                                                     PRIOR FILING DATE: 2000-06-30 PRIOR APPLICATION NUMBER: US 09/774,203
                                                                                                                                   PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
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PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00661
                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: PCT/US01/00668 FILING DATE: 2001-01-30 APPLICATION NUMBER: PCT/US01/00663
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FILING DATE: 2000-10-04
APPLICATION NUMBER: US 60/236,359
FILING DATE: 2000-09-27
                                                                                                                                                                                                                             APPLICATION NUMBER: PCT/US01/00670
                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: PCT/US01/00665 FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
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                   Annomax Sequence Listing Engine vers.
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Chen, Wensheng
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Pred. No. 1.3e-
0; Mismatches
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1.3e-05;
hes 53;
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; ORGANISM: Homo sapiens
US-10-224-683-4
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                                                                                                                                                                                                                                                                                                                                                                                                               FILE REFERENCE: 4389-33
CURRENT APPLICATION NUMBER: US/10/224,683
CURRENT FILING DATE: 2002-01-06
PRIOR APPLICATION NUMBER: 60/314,331
PRIOR FILING DATE: 2001-08-20
PRIOR APPLICATION NUMBER: 60/378,521
PRIOR FILING DATE: 2002-05-06
NUMBER OF SEQ ID NOS: 185
                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 4
LENGTH: 390
                                                                                                                                                                                                     Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 4, Application US/10224683 Publication No. US20030162192A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
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Best Local
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APPLICANT: Curran, Mark
TITLE OLIVENTION: Polymorphisms Associated with Ion-Channel Disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Sotos, John APPLICANT: Rienhoff, Jr.,
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ORGANISM: HOMO
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: PatentIn version 3.1
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                          CACTGTGAAATCCAAGAGACGGGAACACTCCAATGACCCCTACCACCAGTACATTG---T
                                                                                                                       CCTGTACCTCATGGTGATGATTGGAATGTTCTCTTTCATCATCGTGGCCCATCCTGGTGAG
CTACATCCGCTCCAAGAAGCTGGAGCACTCGAACGACCCATTCAACGTCTACATCGAGTC
                                                                                     CCTCTACGTCCTCATGGTACTGGGATTCTTCGGCTTCTTCACCCTGGGCATCATGCTGAG 191
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ilarity 63.6%;
Conservative
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ON: EXPRESSED IN HELA, SIGNAL = 2.6

ON: EXPRESSED IN ADULT LIVER, SIGNAL = 3.6

ON: EXPRESSED IN HEART, SIGNAL = 3.9

ON: EXPRESSED IN HEART, SIGNAL = 2.4

ON: EXPRESSED IN BT474, SIGNAL = 1.8

ON: EXPRESSED IN HBL100, SIGNAL = 1.8

ON: EXPRESSED IN HBL100, SIGNAL = 1.8

ON: EXPRESSED IN HALIN, SIGNAL = 2.8

ON: EXPRESSED IN PLACENTA, SIGNAL = 1.8

ON: EXPRESSED IN FETAL LIVER, SIGNAL = 1.8

ON: EXPRESSED IN LUNG, SIGNAL = 3.2

ON: EXPRESSED IN LUNG, SIGNAL = 3.2

ON: EXPRESSED IN LUNG, SIGNAL = 2.3

ON: EXPRESSED IN LUNG, SIGNAL = 3.2

ON: EXPRESSED IN LUNG, SIGNAL = 2.3

ON: EXPRESSED IN LUNG, SIGNAL = 2.3

ON: EXPRESSED IN FETAL LIVER, SIGNAL = 2.3

ON: EXPRESSED IN LUNG, SIGNAL = 2.3

ON: EXPRESSED IN FIRM SIGNAL = 2.3
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                                                                                                                                                                               Score 53.2; DB 12
Pred. No. 1.7e-05;
0; Mismatches 53
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Pred. No. 1.7e-05;
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CGATGCCTGGCAAGAGAAGGACAAGGCCTATGTC 285 AGAGGACTGGCAGGAAAAGTACAAGAGCCAAATC

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APPLICANT: WAN, JACKSON
APPLICANT: WANG, YIXIN
APPLICANT: WANG, YIXIN
TITLE OF INVENTION: EXPRESSION PROFILES AND ME
FILE REFERENCE: 15117,0012
CURRENT APPLICATION NUMBER: US/10/101,510
CURRENT FILING DATE: 2002-03-20
PRIOR APPLICATION NUMBER: 60/276,947
PRIOR PILING DATE: 2001-03-20
NUMBER OF SEQ ID NOS: 805
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SEQ ID NO 1
LENGTH: 436
TYPE: DNA
ORGANISM: Homo sapiens
                                    SOPTWARE: PatentIn Ver.
SEQ ID NO 498
                                                                                                                                                                                                                                                                       Sequence 498, Application US/10101510 Publication No. US20030148295A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Matches 98;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: METHOD OF SCREENING FOR SUSCEPTIBILITY TO TITLE OF INVENTION: DRUG-INDUCED CARDIAC ARTYTHMIA FILE REFERENCE: Attorney Docket No. US20030108924A1 1242-33-2 CURRENT APPLICATION NUMBER: US/10/260,861 CURRENT FILING DATE: 2002-09-30 PRIOR APPLICATION NUMBER: 60/158,696 PRIOR APPLICATION NUMBER: 60/158,696 PRIOR FILING DATE: 1999-10-08
LENGTH: 94
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PUBLICATION: INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DATE: May-1989
DATABASE ACCESSION NUMBER: GenBank M26685
DATABASE ENTRY DATE: 1994-03-30
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VOLUME: 161
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Pred. No. 1.8e-05;
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FILE REFERENCE: 4389-33
CURRENT PILING DATE: 2002-01-66
CURRENT FILING DATE: 2002-01-66
PRIOR APPLICATION NUMBER: 60/314,331
PRIOR FILING DATE: 2001-08-20
PRIOR FILING DATE: 2001-08-20
PRIOR FILING DATE: 2001-08-50
PRIOR FILING DATE: 2002-05-06
NUMBER OF SEQ ID NOS: 185
SOCTWARE: PatentIn version 3.1
SEQ ID NO 5
LENGTH: 1200
TYPE: DNA
ORGANISM: Homo sapiens
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Search completed: October 31, Job time : 823.54 secs
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APPLICANT: Rienhof
APPLICANT: Guida,
APPLICANT: Curran,
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Publication No. US20030162192A1
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TITLE OF INVENTION: Polymorphisms Associated with Ion-Channel Disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                   Local Similarity
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63.6%;
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Pred. No. 3.3e-05;
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Pred. No. 2.9e-05;
0; Mismatches 53;
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Result
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Maximum Match 100%
Listing first 45 s
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Maximum DB seq length: 200000000
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Perfect score:
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re greater than or equal to the score of the result being printed,
is derived by analysis of the total score distribution.
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1: /cgm2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*

2: /cgm2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*

3: /cgm2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*

4: /cgm2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
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/cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
/cgn2_6/ptodata/1/pubpna/USO8_NEW_PUB.seq:*
/cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
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/cgn2_6/ptodata/1/pubpna/USO0_NEW_PUB.seq:*
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US-09-864-761-2023
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US-10-224-683-4
US-10-236-863-5
US-10-236-643-5
US-10-238-643-5
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Sequence 5, Appli
Sequence 1, Appli
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Sequence 31139, A
Sequence 3463, Ap
Sequence 20233, Ap
Sequence 16671, A
Sequence 1989, Ap
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Sequence 259428, Sequence 259429,	Sequence 25942	D (D	19,	e 23,	e 1,	e 30,	Sequence 1, Appli	14,		ω	CD.	117	é	ω ω	e G	111, /	e	175,	e 174,	e 173, 1	e 109	Sequence 810, App	4026	е 3,	e 2,	Sequence 1, App

ALIGNMENTS

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US-10-000-151B-5
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Publication No. US20030013136A1

GENERAL INFORMATION:

APPLICANT: Balser, Jeffrey R.

APPLICANT: George, Alfred L.

TITLE OF INVENTION: HUMAN KCR1 REGULATION OF HERG POTASSIUM CHANNEL BLOCK

FILE REFERENCE: Vanderbilt Ref No. US20030013136A1 VU0120; Attorney Docket No. US2003

CURRENT APPLICATION NUMBER: US/10/000,151B

CURRENT FILING DATE: 2000-10-30

NUMBER OF SEQ ID NOS: 5

SOFTWARE: Patentin version 3.1

SEQ ID NO 5

LENGTH: 732
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ORGANISM: Homo sapiens
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APPLICANT: Cox, David
APPLICANT: Arnold, Deana
TITLE OF INVENTION: Haplotype structure of ch
FILE REFERENCE: 1030U1
CURRENT APPLICATION NUMBER: US/10/227,195A
CURRENT FILING DATE: 2002-11-18
NUMBER OF SEQ ID NOS: 2
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1
SEQ ID NO 1
US-10-227-195A-2
; Sequence 2, Application US/10227195A
; Publication No. US20030077633A1
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; LCCATION: 7175, 7204, 36973,
; OTHER INFORMATION: n = G or (
US-10-227-195A-1
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US-10-227-195A-1
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Best Local Similarity
Matches 419; Conserv
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APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Hanzel, David K.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
ITTLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Acomica-X-1
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 99/632,366
PRIOR APPLICATION NUMBER: US 99/632,366
PRIOR APPLICATION NUMBER: US 99/632,366
PRIOR APPLICATION NUMBER: US 60/206.
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
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APPLICANT: Arnold, Deana
TITLE OF INVENTION: Haplotype structure of chromosome 21
FILE REFERENCE: 1030U1
CURRENT APPLICATION NUMBER: US/10/227,195A
CURRENT FILING DATE: 2002-11-18
NUMBER OF SEQ ID NOS: 2
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2
LENGTH: 113604
TYPE: DNA
ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-864-761-33139, Application Patent No. US20020048763A1; GENERAL INFORMATION:
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SOFTWARE: Annous
SEQ ID NO 33139
FRIGTH: 372
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Best Local Similarity
Matches 369; Conserv
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ORGANISM: Homo :
FEATURE:
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OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.98
OTHER INFORMATION: EXPRESSED IN HEL100, SIGNAL = 0.67
OTHER INFORMATION: EST HUMAN HIT: A1654552.1, EVALUE 0.00e+00
OTHER INFORMATION: SWISSPROT HIT: Q9Y6J6, EVALUE 8.00e-67
OTHER INFORMATION: NT HIT: g111526220, EVALUE 0.00e+00
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DR FILING DATE: 2001-01-30
DR APPLICATION NUMBER: PCT/US01/00668
DR FILING DATE: 2001-01-30
DR APPLICATION NUMBER: PCT/US01/00663
DR FILING DATE: 2001-01-30
DR APPLICATION NUMBER: PCT/US01/00662
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APPLICATION NUMBER: US 09/774,203
FILING DATE: 2001-01-29
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PILING DATE: 2000-09-21
APPLICATION NUMBER: US 09/608,408
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APPLICATION NUMBER: PCT/US01/00661
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00669
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                         ATGTCCCCC
                                                                                                                                                                   AATGACCCCTACCACCAGTACATTGTAGAGGACTGGCAGGAAAAGTACAAGAGCCAAATC
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CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 09/832,366
PRIOR FILING DATE: 2000-08-03
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: DOT/US01/00666
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
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               OTHER INFORMATION: MAP TO APO00052.1

OTHER INFORMATION: EXPRESSED IN BOILD MARROW, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN HELIOO, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.3

OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.92

OTHER INFORMATION: EXPRESSED IN HEARIN, SIGNAL = 1.4

OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.1

OTHER INFORMATION: EXPRESSED IN HELACENTA, SIGNAL = 1.2

OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.2

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.94

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.94

OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 0.98
                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: Anno
SEQ ID NO 3463
LENGTH: 450
TYPE: DNA
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APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: PCT/US01/00668
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00663
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US 60/234,687
FILING DATE: 2000-09-21
APPLICATION NUMBER: US 09/608,408
FILING DATE: 2000-06-30
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APPLICATION NUMBER: PCT/US01/00662
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00661
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Rank, David R.
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Query Match 82.3%; Best Local Similarity 100.0%; Matches 345; Conservative (

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Score 345; DB 9; 1 Pred. No. le-102; 0; Mismatches 0;

Length 450; Indels

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CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
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Patent No. US20020048763A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Acomica-X-1
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                                                                                                                    TARRE DATE: 2001-01-30

RAPPLICATION NUMBER: PCT/US01/00663

TOR FILING DATE: 2001-01-30

TOR APPLICATION NUMBER: PCT/US01/00662

OR FILING DATE: 2001-01-30

OR APPLICATION NUMBER: PCT/US01/00662

OR APPLICATION NUMBER: PCT/US01/00662

OR APPLICATION NUMBER: PCT/US01/00662
                                                                                                                                                                                                      DR FILING DATE: 2001-01-30

R APPLICATION NUMBER: PCT/US01/00665

DR FILING DATE: 2001-01-30

DR APPLICATION NUMBER: PCT/US01/00668

DR FILING DATE: 2001-01-30

DR APPLICATION NUMBER: PCT/US01/00663

DR APPLICATION NUMBER: PCT/US01/00663

DR FILING DATE: 2001-01-30
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APPLICATION N
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APPLICATION NUMBER: PCT/US01/00664
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00669
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APPLICATION NUMBER: US 60/236,359
FILING DATE: 2000-09-27
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                           NUMBER: US 60/234,687
                                                                         NUMBER: PCT/US01/00670: 2001-01-30
                                                                                                                  NUMBER: PCT/US01/00661: 2001-01-30
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David K.
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APPLICANT: Rank, David R.

APPLICANT: Hanzel, David K.

APPLICANT: Chen, Wensheng

TITLE OF INVENTION: GENERITYED SINGLE EXON NUCLEIC ACI

TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

FILE REFERENCE: Acomica-X-1

CURRENT APPLICATION NUMBER: US/09/864,761

CURRENT FILING DATE: 2001-05-23

PRIOR APPLICATION NUMBER: US 60/180,312

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR PILING DATE: 2000-02-04

PRIOR PILING DATE: 2000-05-26
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LENGTH: 312
TYPE: DNA
ORGANISM: Homo sapie
FEATURE:
FEATURE:
OTHER INFORMATION: M
                                                                                                                                                                                                                                                                                          Sequence 16671, Application Patent No. US20020048763A1 GENERAL INFORMATION:
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Best Local Similarity
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APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K
APPLICANT: Chen, Wensheng
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PRIOR APPLICATION NUMBER: US
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
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THER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.3

THER INFORMATION: EXPRESSED IN BULLT LIVER, SIGNAL = 1.3

THER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.92

THER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.4

THER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.1

THER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.1

THER INFORMATION: EXPRESSED IN THE SIGNAL = 1.2

THER INFORMATION: EXPRESSED IN LIVER, SIGNAL = 0.94

THER INFORMATION: EXPRESSED IN BI474, SIGNAL = 0.94

THER INFORMATION: EXPRESSED IN BI474, SIGNAL = 0.94

THER INFORMATION: EXPRESSED IN BI474, SIGNAL = 0.94

THER INFORMATION: SWISSPROT HIT: A1246239.1, EVALUE 0.00e+00

THER INFORMATION: SWISSPROT HIT: Q9Y6J6, EVALUE 3.00e-55

THER INFORMATION: NT HIT: AF302095.1, EVALUE 0.00e+00
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APPLICATION NUMBER: GB 24263.6

2000-08-03

NUMBER: US 09/632,366

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; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = US-09-864-761-16671
Sequence 1989, Application US/09908975 Publication No. US20030165843A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 283; Conserv
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SEQ ID NO 16671
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PRIOR
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APPLICATION NUMBER: US 09/774,203
FILING DATE: 2001-01-29
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APPLICATION NUMBER: US 60/234,687
FILING DATE: 2000-09-21
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APPLICATION NUMBER: PCT/US01/00669
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00667
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00670
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APPLICATION NUMBER: PCT/US01/00662
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APPLICATION NUMBER: PCT/US01/00668
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APPLICATION NUMBER: PCT/US01/00664
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APPLICATION NUMBER: PCT/US01/00666
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Pred. No. 2.3e-82;
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CURRENT APPLICATION NUMBER: US/09/908,975
CURRENT FILING DATE: 2001-07-20
PRIOR APPLICATION NUMBER: US 60/287,724
PRIOR FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: US 60/221,607
PRIOR FILING DATE: 2000-07-28
NUMBER OF SEQ ID NOS: 32337
SOFTWARE: PAtentin version 3.0
SEQ ID NO 1989
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CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PRILING DATE: 2000-05-26
PRIOR PPLICATION NUMBER: US 09/632,366
PRIOR PILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: DCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00667
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PRIOR APPLICATION NUMBER: PCT/USO1/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR ELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00663
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APPLICANT: SHOSHAN,
APPLICANT: WASSERMA,
APPLICANT: MINTZ, E
APPLICANT: MINTZ, L
APPLICANT: FAIGLER,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:
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APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
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Best Local Similarity
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APPLICANT: MINTZ, Eli
APPLICANT: MINTZ, Liat
APPLICANT: MINTZ, Liat
APPLICANT: FAIGLER, Simchon
TITLE OF INVENTION: OLIGONUCCLEOTIDE LIBRARY FOR DETECTING
TITLE OF INVENTION: THAT POPULATE A TRANSCRIPTOME
FILE REFERENCE: 36688-0005
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b. US20020048763A1
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nilarity 89.2%;
Conservative
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Pred. No. 1
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PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR PPLICATION NUMBER: US 09/608,408
PRIOR PILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.:
SEQ ID NO 20783
LENGTH: 231
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US-09-864-761-17593/c
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                                                                FILE REFERENCE: Acomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR PILING DATE: 2000-08-03
PRIOR FILING DATE: 2000-08-03
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Best Local
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FEATURE:
OTHER INFORMATION: E
OTHER INFORMATION: S
OTHER INFORMATION: S
OTHER INFORMATION: S
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APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Homo sapiens
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APPLICATION NUMBER: PCT/US01/00662
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00661
FILING DATE: 2001-01-30
APPLICATION NUMBER: GB 24263.6 FILING DATE: 2000-10-04
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NN: EXPRESSED IN HEART, SIGNAL = 1.1

NN: EXPRESSED IN ADULT LIVER, SIGNAL = 0.94

NN: EXPRESSED IN LUNG, SIGNAL = 0.74

NN: EXPRESSED IN HELA, SIGNAL = 0.66

NN: EXPRESSED IN HELA, SIGNAL = 0.66

NN: EXPRESSED IN FETAL LIVER, SIGNAL = 0.66

NN: EXPRESSED IN BRAIN, SIGNAL = 0.7

NN: EXPRESSED IN BRAIN SIGNAL = 0.7

NN: EXPRESSED SIGNAL = 0.7

NN: EXP
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Pred. No. 4.6e-07;
0; Mismatches 53;
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; OTHER INFORMATION:
US-09-864-761-17593
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OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 2.6

OTHER INFORMATION: EXPRESSED IN ADUIT LIVER, SIGNAL = 3.6

OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.9

OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 2.4

OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.8

OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.8

OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 2.8

OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.8

OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.8

OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 2.3

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3.2

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3.2

OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3.2

OTHER INFORMATION: SWISSPROT HIT: P15382, EVALUE 6.30e-02

OTHER INFORMATION: NT HIT: 9111526222, EVALUE 0.00e-60
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SEQ ID NO 17593
LENGTH: 390
                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 98; Conserv
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PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
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TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
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OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/USO1/00668
OR APPLICATION NUMBER: PCT/USO1/00668
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/USO1/00663
OR FILING DATE: 2001-01-30
OR APPLICATION NUMBER: PCT/USO1/00662
OR APPLICATION NUMBER: PCT/USO1/00661
OR APPLICATION NUMBER: PCT/USO1/00670
OR APPLICATION NUMBER: PCT/USO1/00670
OR APPLICATION NUMBER: PCT/USO1/00670
OR APPLICATION NUMBER: PCT/USO1/00670
OR FILING DATE: 2001-01-30
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OR APPLICATION NUMBER: PCT/US01/00666

OR FILING DATE: 2001-01-30

OR APPLICATION NUMBER: PCT/US01/00667

OR FILING DATE: 2001-01-30

OR APPLICATION NUMBER: PCT/US01/00664

OR FILING DATE: 2001-01-30

OR APPLICATION NUMBER: PCT/US01/00669

OR FILING DATE: 2001-01-30

OR FILING DATE: 2001-01-30
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                                                       317
                                                                                                              149 CTACATCCGCTCCAAGAAGCTGGAGCACTCGAACGACCCATTCAACGTCTACATCGAGTC
                                                                                                                                                                     260
89
  CGATGCCTGGCAAGAGAAGGACAAGGCCTATGTC
                                  AGAGGACTGGCAGGAAAAGTACAAGAGCCAAATC
                                                                                                                                                                  CACTGTGAAATCCAAGAGACGGGAACACTCCAATGACCCCTACCACCAGTACATTG---T
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Pred. No. 6.1e-07;
0; Mismatches 53;
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56
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RESULT 11
US-10-224-683-4
; Sequence 4, Application US/10224683
; Publication No. US20030162192A1
; GENERAL INFORMATION:

APPLICANT: Sotos, John

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; ORGANISM: Homo sapiens
US-10-224-683-4
                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 60/158,696
PRIOR FILING DATE: 1999-10-08
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 1, Application US/10260861 Publication No. US20030108924A1 GENERAL INFORMATION:
                                        Matches
                                                         Query Match
Best Local Similarity
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Best Local Similarity
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APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: George Jr., Alfred L.
APPLICANT: Roden, Dan M
TITLE OF INVENTION: WETHOD OF SCREENING FOR SUSCEPTIBILITY TO
TITLE OF INVENTION: DRUG-INDUCED CARDIAC ARRYTHMIA
FILE REFERENCE: Attorney Docket No. US20030108924A1 1242-33-2
CURRENT APPLICATION NUMBER: US/10/260,861
CURRENT FILING DATE: 2002-09-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/24,683
CURRENT FILING DATE: 2002-01-06
PRIOR APPLICATION NUMBER: 60/314,331
PRIOR FILING DATE: 2001-08-20
PRIOR APPLICATION NUMBER: 60/378,521
PRIOR FILING DATE: 2002-05-06
                                                                                                                                                                                                                                      LOCATION: (29)..(418)
PUBLICATION INFORMATION:
JOURNAL: Biochem. Biophys. Res. Commun.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Curran, Mark
TITLE OF INVENTION: Polymorphisms Associated with Ion-Channel Disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 185
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                                                                                                                                   PAGES: 176-181
DATE: May-1989
DATABASE ACCESSION NUMBER: GenBank M26685
DATABASE ENTRY DATE: 1994-03-30
                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                     VOLUME: 161
                                                                                                                                                                                                                                                                                                        NAME/KEY: CDS
                                                                                                                                                                                                                                                                                                                             FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 436
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200 CCTGTACCTCATGGTGATGATTGGAATGTTCTCTTTCATCATCGTGGCCATCCTGGTGAG 259
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ilarity 63.6%;
Conservative
                                        Conservative
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63.6%;
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Pred. No. 6.1e-07;
                                   Score 53.2; DB 14;
Pred. No. 6.5e-07;
0; Mismatches 53;
                                                                            Length 436;
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                      SEQ ID NO 5
LENGTH: 1200
TYPE: DNA
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CURRENT APPLICATION NUMBER: US/10/101,510
CURRENT FILING DATE: 2002-03-20
PRIOR APPLICATION NUMBER: 60/276,947
PRIOR PRILING DATE: 2001-03-20
NUMBER: OF SEQ ID NOS: 805
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 498
LENGTH: 949
LENGTH: 949
TYPE: DNA
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Publication No. US20030162192A1
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                                                                                                               APPLICANT: Curran, Mark
TITLE OF INVENTION: Polymorphisms Associated with Ion-Channel Disease
FILE REFERENCE: 4389-33
CURRENT APPLICATION NUMBER: US/10/224,683
CURRENT FILING DATE: 2002-01-06
PRIOR APPLICATION NUMBER: 60/314,331
PRIOR FILING DATE: 2001-08-20
PRIOR PILING DATE: 2001-08-20
PRIOR APPLICATION NUMBER: 60/378,521
PRIOR PILING DATE: 2001-08-20
PRIOR PILING DATE: 2005-06
NUMBER OF SEQ ID NOS: 185
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                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Sotos, John
APPLICANT: Rienhoff, Jr.,
APPLICANT: Guida, Marco
                                                                                             SOFTWARE: PatentIn version 3.1
ORGANISM: Homo sapiens
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Local Similarity 63.6%;
les 98; Conservative
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Pred. No. 1e-06;
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APPLICANT: CULTAIN, MARK E.
APPLICANT: Landes, Gregory M.
APPLICANT: Landes, Gregory M.
APPLICANT: Connors, Timothy C.
APPLICANT: Burn, Timothy C.
APPLICANT: Burn, Timothy C.
APPLICANT: Splawski, Igor
TITLE OF INVENTION: KVLGT1 - A LONG QT SYNDROME GENE
FILE REFERENCE: 2323-163
CURRENT APPLICATION NUMBER: US/10/368,643
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 09/597,731
PRIOR APPLICATION NUMBER: US 09/135,010
PRIOR FILING DATE: 1998-08-17
PRIOR APPLICATION NUMBER: US 09/135,010
PRIOR APPLICATION NUMBER: US 08/93,477
PRIOR APPLICATION NUMBER: US 08/921,068
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US-10-368-643-3
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PRIOR FILING DATE: 1995-12-22
NUMBER OF SEQ ID NOS: 116
SOPTWARE: PATENTIN VEY: 2.0
SEQ ID NO 3
LENGTH: 1703
                                                                                                                                                                                                                           Query Match 12.7%; Score 53.2; DB 12; Length 1703; Best Local Similarity 63.6%; Pred. No. 1.4e-06; Matches 98; Conservative 0; Mismatches 53; Indels 3;
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Publication No. US20030170708A1
GENERAL INFORMATION:
APPLICANT: Keating, Mark T.
APPLICANT: Sanguinetti, Michael C.
APPLICANT: Sanguinetti, Michael C.
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                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: misc_feature
LOCATION: (1)..(1703)
OTHER INFORMATION: n may be any base
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LOCATION: (193)..(579)
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ORGANISM: Homo sapiens
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CTACATCCGCTCCAAGAAGCTGGAGCACTCGAACGACCCATTCAACGTCTACATCGAGTC 443
                                                                                                             CCTCTACGTCCTCATGGTACTGGGATTCTTCGGCTTCTTCACCCTGGGCATCATGCTGAG 383
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Search completed: October 31, 2003, 05:22:44 Job time: 468.46 secs

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3: /cgn2_6/ptodata/2,
4: /cgn2_6/ptodata/2,
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                                    GenCore version 5.1.6 (c) 1993 - 2003 Compugen Ltd.
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ALIGNMENTS

; MOLECULE TYPE: CDNA; FEATURE; ; NAME/KEY: CDS; LOCATION: 1..398 US-08-118-101A-5 RESULT 1 US-08-118-101A-5 Query Match Best Local Similarity 63... 98; Conservative Sequence 5, Application US/08118101A Patent No. 5620892 ZIP: 08543-4000 COMPUTER READABLE FORM: MEDIUM TYPE: Floppy disk COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: PatentIn Release #1.0, Version #1. CURRENT APPLICATION DATA: APPLICATION NUMBER: US/08/118,101A FILING DATE: TELEFAX: (609) 252-452 INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS: CLASSIFICATION: 435 ATTORNEY/AGENT INFORMATION: NAME: Gaul, Timothy J. REGISTRATION NUMBER: 33,111 REFERENCE/DOCKET NUMBER: DC27 TELECOMMUNICATION INFORMATION: TELEPHNE: (609) 252-4526 TELEPHNE: (609) 252-4526 GENERAL INFORMATION: NUMBER OF SEQUENCES: 1 CORRESPONDENCE ADDRESS: APPLICANT: Kurtz, Stephen E. APPLICANT: Knickerbocker, Aron M. APPLICANT: McCullough, John R. TITLE OF INVENTION: A STRAIN OF SACCHAROMYCES CEREVISIAE TITLE OF INVENTION: EXPRESSING THE GENE ENCODING POTASSIUM TRANSPORTER MINK STREET: P.O. Box 40 CITY: Princeton STATE: New Jersey COUNTRY: U.S.A. TYPE: nucleic acid STRANDEDNESS: sing TOPOLOGY: linear ADDRESSEE: LENGTH: 398 base pairs P.O. Box 4000 Burton Rodney single 252-4526 250-4526 252-4526 16 #1.25

12.7%; 63.6%;

Score 53.2; DB 1; Pred. No. 3.2e-08; 0; Mismatches 53;

Length 398; Indels

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                                                                                                                                         Sequence 77, Application US/09135021A Patent No. 6150104 GENERAL INFORMATION:
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SEQ ID NO 1
LENGTH: 436
TYPE: DNA
ORGANISM: Homo sapiens
JENERAL INFORMATION.
APPLICANT: Splawski, Igor
APPLICANT: Keating, Mark T.
TITLE OF INVENTION: A HOMOZYGOUS MUTATION IN KVLQT1 WHICH
TITLE OF INVENTION: AND LANGE-NIELSEN SYNDROME
TO DEFERENCE: 2323-128
TO DEFERENCE: 2323-128
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Best Local :
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TITLE OF INVENTION: METHOD OF SCREENING FOR SUSCEPTIBILITY
TITLE OF INVENTION: DRUG-INDUCED CARDIAC ARRYTHMIA
FILE REFERENCE: Attorney Docket No. 6458542 1242-33-2
CURRENT APPLICATION NUMBER: US/09/679,185
CURRENT FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: 60/158,696
PRIOR APPLICATION NUMBER: 60/158,696
REIOR EPLING DATE: 1999-10-08
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PUBLICATION INFORMATION:
JOURNAL: Biochem. Bioph
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NUMBER OF SEQ ID NOS: 11
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DATABASE ACCESSION NUMBER: GenBank M26685
DATABASE ENTRY DATE: 1994-03-30
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Pred. No. 3.4e-08;
0; Mismatches 53;
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; LOCATION: (193)..(579)
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US-09-135-020-3
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APPLICANT: Keating, Mark T.
APPLICANT: Sanguinetti, Michael C.
APPLICANT: Splawski, Igor
TITLE OF INVENTION: MUTATIONS IN THE KCNEI GENE ENCODING HUMAN mink WHICH
TITLE OF INVENTION: CAUSE ARRHYTHMIA SUSCEPTIBILITY THEREBY ESTABLISHING
TITLE OF INVENTION: KCNEI AS AN LQT GENE
FILE REFERENCE: 2323-131
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Best Local (
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EARLIER APPLICATION NUMBER: 08/874,655
EARLIER FILING DATE: 1997-06-13
EARLIER APPLICATION NUMBER: 60/094,477
EARLIER FILING DATE: 1998-07-29
NUMBER OF SEQ ID NOS: 80
                                                                                                                                                                                                                                                                                                              EARLIER APPLICATION NUMBER: 60/094,477
EARLIER FILING DATE: 1998-07-29
NUMBER OF SEQ ID NOS: 114
SOFTWARE: Patentin Ver. 2.0
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EARLIER FILING DATE: 1996-10-29
EARLIER APPLICATION NUMBER: 60/019,014
EARLIER FILING DATE: 1995-12-22
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CURRENT FILING DATE: 1998-08-17
EARLIER APPLICATION NUMBER: 08/921,068
EARLIER FILING DATE: 1997-08-29
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                                                                                                                                                                       FEATURE:
NAME/KEY: CDS
LOCATION: (193)..(579)
                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
FEATURE:
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63.6%;
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Pred. No. 7.6e-08;
0; Mismatches 53;
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Pred. No. 7
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Sequence 3, Application US/09444871
Patent No. 6323026
GENERAL INFORMATION:
APPLICANT: Keating, Mark T.
APPLICANT: Sanguinetti, Michael C.
APPLICANT: Splawski, Igor
TITLE OF INVENTION: MUTATIONS IN THE KCNE1 GENE ENCODING HUMAN mink WHICH
TITLE OF INVENTION: CAUSE ARRHYTHMIA SUSCEPTIBILITY THEREBY ESTABLISHING
TITLE OF INVENTION: KCNE1 AS AN LQT GENE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 98; Conserv
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SEQ ID NO 3
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PRIOR FILING DATE: 1996-1
PRIOR APPLICATION NUMBER:
PRIOR FILING DATE: 1995-1
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PRIOR FILING DATE: 1998-07-29
PRIOR APPLICATION NUMBER: 08/921,068
PRIOR FILING DATE: 1997-08-29
PRIOR FILING DATE: 1997-08-29
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CURRENT APPLICATION NUMBER: US/09/135,010A
CURRENT FILING DATE: 1998-08-17
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TITLE OF INVENTION: KVLQT1 - A LONG QT SYNDROME
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LOCATION: (193)..(579)
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No. 6277978
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Curran, Mark E.
Landes, Gregory M.
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Pred. No. 7.6e-08;
0; Mismatches 53; Indels 3
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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (193)..(579)
US-09-444-871-3
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CURRENT FILING DATE: 1999-11-22
EARLIER APPLICATION NUMBER: US 09/135,020
EARLIER FILING DATE: 1998-08-17
EARLIER FILING DATE: 1998-08-17
EARLIER APPLICATION NUMBER: 08/921,068
EARLIER FILING DATE: 1997-08-29
EARLIER FILING DATE: 1997-08-29
EARLIER APPLICATION NUMBER: 68/739,383
EARLIER APPLICATION NUMBER: 60/019,014
EARLIER FILING DATE: 1996-10-29
EARLIER APPLICATION NUMBER: 60/094,477
EARLIER FILING DATE: 1998-07-29
NUMBER OF SEQ ID NOS: 114
SOFTWARE: Patentin Ver: 2.0
                                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/09/597,735
CURRENT FILING DATE: 2000-06-19
EARLIER APPLICATION NUMBER: 09/135,010
EARLIER FILING DATE: 1998-08-17
EARLIER FILING DATE: 1998-08-27
EARLIER FILING DATE: 1998-07-29
EARLIER FILING DATE: 1997-08-29
EARLIER FILING DATE: 1997-08-29
EARLIER APPLICATION NUMBER: 08/739,383
EARLIER FILING DATE: 1996-10-29
EARLIER APPLICATION NUMBER: 60/019,014
EARLIER FILING DATE: 1996-10-29
EARLIER APPLICATION NUMBER: 60/019,014
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                                                   SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 1703
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Best Local Similarity 63.6%;
Matches 98; Conservative
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APPLICANT: Sanguinetti, Michael C.
APPLICANT: Sanguinetti, Michael C.
APPLICANT: Landes, Gregory M.
APPLICANT: Landes, Gregory M.
APPLICANT: Connors, Timothy D.
APPLICANT: Burn, Timothy C.
APPLICANT: Splawski, Igor
TITLE OF INVENTION: KVLQT1 - A LONG QT SYNDROME GENE
FILE REPERENCE: 2323-133
                                                                                                                                         EARLIER FILING DATE: 1995-12-22 NUMBER OF SEQ ID NOS: 116
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TYPE: DNA ORGANISM: Homo sapiens
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Pred. No. 7.6e-08;
0; Mismatches 53;
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GENERAL INFORMATION:
APPLICANT: Keating, Mark T.
APPLICANT: Sanguinetti, Michael C.
APPLICANT: Sanguinetti, Michael C.
APPLICANT: Splawski, 1gor
ITILE OF INVENTION: MUTATIONS IN THE KCNEI GENE ENCODING HUMAN mink WHICH
ITILE OF INVENTION: KCNEI AS AN LQT GENE
ITILE OF INVENTION: KCNEI AS AN LQT GENE
CURRENT APPLICATION NUMBER: US/09/444,295
CURRENT FILING DATE: 1999-11-22
PRIOR APPLICATION NUMBER: 09/35,020
PRIOR FILING DATE: 1998-08-17
PRIOR APPLICATION NUMBER: 08/921,068
PRIOR APPLICATION NUMBER: 08/739,383
PRIOR APPLICATION NUMBER: 60/739,383
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Best Local Similarity
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Patent No. 6432644
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Best Local Similarity
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PRIOR APPLICATION NUMBER: 60/094,477
PRIOR FILING DATE: 1998-07-29
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NUMBER OF SEQ ID NOS: 114
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: CDS
LOCATION: (193)..(579)
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LOCATION: (193)..(579)
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                                     AGAGGACTGGCAGGAAAAGTACAAGAGCCAAATC 350
                                                                                                                       CACTGTGAAATCCAAGAGACGCGGAACACTCCAATGACCCCTACCACCAGTACATTG---T 316
                                                                                                                                                                   CCTCTACGTCCTCATGGTACTGGGATTCTTCGGCTTCTTCACCCTGGGCATCATGCTGAG 383
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  CGATGCCTGGCAAGAGAAGGACAAGGCCTATGTC 477
                                                                                  CTACATCCGCTCCAAGAAGCTGGAGCACTCGAACGACCCATTCAACGTCTACATCGAGTC 442
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                                                                                                                                                                                                                                                    12.7%;
llarity 63.6%;
Conservative
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                                                                                                                                                                                                                                                    Score 53.2; DB 4;
Pred. No. 7.6e-08;
0; Mismatches 53;
                                                                                                                                                                                                                                                                                           Length 1703;
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GENERAL INFORMATION:
APPLICANT: Keating:
APPLICANT: Sanguinet
APPLICANT: Curran, w
APPLICANT: Landes,
APPLICANT: Connors,
APPLICANT: Burn, Tim
APPLICANT: Bylawski,
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US-09-597-731-3
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US-09-597-732-3
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PRIOR APPLICATION NUMBER: 09/135,010
PRIOR FILING DATE: 1998-08-17
PRIOR PPLICATION NUMBER: 60/094,477
PRIOR FILING DATE: 1998-07-29
PRIOR PPLICATION NUMBER: 08/921,068
PRIOR PPLICATION NUMBER: 08/921,068
PRIOR APPLICATION NUMBER: 08/739,383
PRIOR APPLICATION NUMBER: 08/739,383
PRIOR APPLICATION NUMBER: 08/739,383
PRIOR APPLICATION NUMBER: 08/739,383
PRIOR APPLICATION NUMBER: 09/019,014
PRIOR APPLICATION NUMBER: 60/019,014
PRIOR PILING DATE: 1995-12-22
NUMBER OF SEQ ID NOS: 116
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LENGTH: 1703
TYPE: DNA
ORGANISM: Homo sapiens
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APPLICANT: Keating, Mark T.
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APPLICANT: Connors, Timothy D.
APPLICANT: Burn, Timothy C.
APPLICANT: Splawski, Igor
TITLE OF INVENTION: KVLQTI - A LONG QT SYNDROME FILE REFERENCE: 2323-133
CURRENT APPLICATION NUMBER: US/09/597,731
CURRENT FILING DATE: 2000-06-19
PRIOR APPLICATION NUMBER: 09/135,010
PRIOR FILING DATE: 1998-08-17
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APPLICANT:
APPLICANT:
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APPLICANT: Splawski, 1gor
TITLE OF INVENTION: KVLOT1 - A LONG QT SYNDROME
FILE REFERENCE: 2323-13
CURRENT APPLICATION NUMBER: US/09/597,732
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NAME/KEY: CDS
LOCATION: (193)..(579)
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Local Similarity 63.6%;
hes 98; Conservative
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Curran, Mark E.
Landes, Gregory M.
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Landes, Gregory M.
Connors, Timothy D.
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Pred. No. 7.6e-08;
0; Mismatches 53;
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PRIOR APPLICATION NUMBER: 08/9
PRIOR TILING DATE: 1997-08-29
PRIOR APPLICATION NUMBER: 08/9
PRIOR FILING DATE: 1996-10-29

08/921,068 18-29 08/739,383 0-29 60/019,014

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280 CAATGCCTGGCAAGAGAAGGACAAGGCCTATGTC 313

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LENGTH: 436
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GENERAL INFORMATION:
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Best Local Similarity
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Best Local Similarity
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LENGTH: 1703
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: METHOD OF SCREENING FOR SUSCEPTIBILITY TITLE OF INVENTION: DRUG-INDUCED CARDIAC ARRYTHMIA FILE REFERENCE: Attorney Docket No. 6458542 1242-33-2 CURRENT APPLICATION NUMBER: US/09/679,185 CURRENT FILING DATE: 2000-10-04 PRIOR APPLICATION NUMBER: 60/158,696 PRIOR APPLICATION NUMBER: 60/158,696 PRIOR FILING DATE: 1999-10-08
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SOFTWARE: PatentIn Ver.
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LOCATION: (29)..(418)
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317 AGAGGACTGGCAGGAAAAGTACAAGAGCCAAATC 350
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PatentIn Ver. 2.0
                                                                                            CACTGTGAAATCCAAGAGACGGGAACACTCCAATGACCCCTACCACCAGTACATTG---T 316
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                                                         CTACATCCGCTCCAAGAAGCTGGAGCACTCGAACGACCCATTCAACGTCTACATCGAGTC 279
                                                                                                                                   CCTCTACGTCCTCATGGTACTGGGATTCTTCGGCTTCTTCACCCTGGGCATCATGCTGAG
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Pred. No. 7.6e-08;
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Pred. No. 1.2e-07;
                                                                                                                                                                                                          Mismatches
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GENERAL INFORMATION:
                                                                                                                                                           Matches
                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: WOR'D 5.1 (EPO PATENTIN CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/318,83
FILING DATE: 19 October 1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION UNMBER: FR92/04827
FILING DATE: 21-APR-1992
ATTORNEY/AGENT INFORMATION:
NAME: Smith, Julie K.
REGISTRATION NUMBER: P-38,619
REGISTRATION NUMBER: P-38,619
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (610) 454-3808 INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Schweighoffe.
APPLICANT: Tocque, Brunt
TITLE OF INVENTION: PEP
TITLE OF INVENTION: ACT.
TITLE OF INVENTION: PREJ
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                 FEATURE:
NAME/KEY:
LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: LINEAL MOLECULE TYPE: CDN
                                                                                                                                                                                                                                                                       FEATURE:
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (610) 454-3839
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
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LOCATION:
                                                                                                                                                                        Local
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OPERATING SYSTEM: SY
SOFTWARE: Word 5.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP:
                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRANDEDNESS:
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                                                                                                                                                                                                                                                                                                                                       LOCATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LENGTH:
                                                                                             2402 TCTACGAGTCTTCTCCGAATAGAACCAAAACTCCCCACCTGAAGCTGTGCCCAGCCCA
                                                            165 GCCAAAGTTGATGCTGAGAACTTCTACTATGTCATCCTGTACCTCATGGTGATGATTGGA 224
225 ATGITCTCTTTCATCATCGTGGCCATC 251
                                                                                                                         105 TTTATTACTTATATGGACAATTGGCGCCAGAACACAGCAGCTGAGCAAGAGGCCCTCCAA 164
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0 Arcola Road, 3C43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            UMBER: US/08/318,831
19 October 1994
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                                                                                                                                                                                                                                        (SEQ ID NO
                                                                                                                                                                                                                                                                                       (SEQ ID NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ST92033-US
                                                                                                                                                                       Score 36.6; DB Pred. No. 0.041;
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                                                                                                                                                                                       DB 1;
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RESULT 14
US-08-110-286A-1
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/016,474
FILING DATE: HEREWITTO
Sequence 1, Application US/08110286A Patent No. 5728545
                                                                                                                                                                                                                                                                                              Matches
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
NAME: Zeller, Karen J.
REGISTRATION NUMBER: 37,071
REFERENCE/DOCKET NUMBER: PA-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TELEFAX: (650) 845-4166
INFORMATION FOR SEQ ID NO: 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE CHARACTERISTICS:
LENGTH: 1335 base pair
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STREET: 31/7 CITY: PALO ALTO CITY: CALIFORNIA
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TITLE OF INVENTION: COMPUSATION: PATHWAY GENE
TITLE OF INVENTION: PATHWAY GENE
TITLE OF CECUENCES: 1490
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Jeffrey J. Seilhamer
APPLICANT: Jeffrey J. Seilhamer
TTTTLE OF INVENTION: COMPOSITION
                                                                                                                                                                                                                                                                                                                                                                                            IMMEDIATE SOURCE:
LIBRARY: GENBANK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: PRIOR APPLICATION DATA:
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                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nuclear STRANDEDNESS:
                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                CLONE:
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                                                                                                TCCACCACGTCTGAGACCATTCAGTACA 1015
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                                                                                                                               CACTCCAATGACCCCTACCACCAGTACA 312
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31.192
REFERENCE/DOCKET NUMBER: P4
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-546-4737
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 0:
FILING DATE: 18-UUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.
                                                                                                                                                                                                                                                                                                                                                                                          MOLECULE TYPE: FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Patentin Release #1.0,
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/110,28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty, Schroeder, Brueggemann & STREET: 444 South Flower Street, Suite 2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Donaldson, Cynthia J.
TITLE OF INVENTION: CLONING AND RECOMBINANT PRODUCTION
TITLE OF INVENTION: CRF RECEPTOR(S)
NUMBER OF SEQUENCES: 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                     LOCATION: 82..1329
OTHER INFORMATION: OTHER INFORMATION: OTHER INFORMATION: OTHER INFORMATION: '
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STRANDEDNESS: both
                                                                                                                                                                                                                    Local
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CLASSIFICATION:
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OPERATING SYSTEM: PC-DOS/MS-DOS
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982 TCCACCACGTCTGAGACCATTCAGTACA 1009
                               285 CACTCCAATGACCCCTACCACCAGTACA 312
                                                               922 CTGATCAATTTCATCTTCCTTTTCAACATCGTCCGCATCCTCATGACCAAGCTCCGGGCA
                                                                                                 225 ATGTTCTCTTTCATCATCGTGGCCATCCTGGTGAGCACTGTGAAATCCAAGAGACGGGAA 284
                                                                                                                                    862 GGCAAAAGGCCTGGGGTGTACACCGACTACATCTACCAGGGCCCCATGATCCTGGTCCTG 921
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Vale Jr., Wylie W.
Donaldson, Cynthia
                                                                                                                                                                                                      Conservative
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Chen, Ruoping
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CRF-RECEPTOR"
/note= "This sequence is encoded by clone
"CRF-R1"."
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Pred. No. 0.04
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                                                                                                                                                                                                                    0.045;
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US-08-482-746-1 US-08-482-746-1 ; Sequence 1, Application US/08482746B ; Patent No. 639315

GENERAL INFORMATION:

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APPLICANT: Perrin, Marilyn H.
APPLICANT: Chen, Ruoping
APPLICANT: Levis, Kathyl A.
APPLICANT: Levis, Kathyl A.
APPLICANT: Levis, Kathyl A.
APPLICANT: Donaldson, Cynthia J.
APPLICANT: NUMBER: US 08/374,009
EARLIER FILING DATE: 1995-06-07
EARLIER APPLICATION NUMBER: US 08/374,009
EARLIER APPLICATION NUMBER: DONALDSON DATE: 1994-05-25
EARLIER APPLICATION NUMBER: US 08/110,286
EARLIER FILING DATE: 1994-05-25
EARLIER FILING DATE: 1993-06-18
EARLIER FILING DATE: 1993-
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Search completed: October 31, 2003, 03:33:26
Job time : 32.9427 secs
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Best Local Similarity 52.7%;
Matches 78; Conservative
                                                                                                                                                                    982 TCCACCACGTCTGAGACCATTCAGTACA 1009
                                                                                                                                                                                                                                                           285 CACTCCAATGACCCCTACCACCAGTACA 312
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Title: Perfect score: Sequence:

Scoring table:

Minimum Maximum

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Sequence Sequence Sequence Sequence Sequence

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*

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       GenCore version 5.1.6 (c) 1993 - 2003 Compugen Ltd
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US-09-135-021-78
US-09-135-020-4
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US-09-444-87-735-4
US-09-471-468-3
US-09-597-731-4
US-09-69-896-4
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US-09-69-118-101A-6
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US-09-069-896-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FESSEG for Windows Version 2.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/069,896
FILING DATE:
CLASSIFICATION DATA:
APPLICATION UNBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
ANDME. COTTORS MICHAEL C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
APPLICANT: Patterson, Chandra
APPLICANT: Corley, Neil C.
TITLE OF INVENTION: DELAYED RECTIFIER POTASSIUM
TITLE OF INVENTION: CHANNEL HOMOLOG
NUMBER OF SEQUENCES: 4
                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
                                                                    TYPE: amino acid
STRANDEDNESS: sing
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 452497
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REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PF-
TELECOMMUNICATION INFORMATION:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
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ADDRESSEE: Incyte Pharmaceuticals,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STREET: 3174 Port
CITY: Palo Alto
STATE: CA
COUNTRY: USA
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US-08-246-648-24
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US-09-514-907A-2
US-09-404-650-5
US-09-404-650-2
US-09-404-650-2
US-09-404-650-1
US-08-673-789-7
US-08-162-809-10
US-09-301-870-4
US-09-301-870-4
US-09-511-970-4
US-08-675-98-687C-2
US-08-625-819-2
US-08-625-819-2
     Score 132.5;
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Result No.

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Length 129;

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-135-020-4
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US-09-135-021-78
                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/09/135,020
CURRENT FILING DATE: 1998-08-17
EARLIER APPLICATION NUMBER: 08/921,068
EARLIER FILING DATE: 1997-08-29
EARLIER FILING DATE: 1996-09-39,383
EARLIER FILING DATE: 1996-10-29
EARLIER APPLICATION NUMBER: 60/019,014
EARLIER APPLICATION NUMBER: 60/094,477
EARLIER FILING DATE: 1998-07-29
NUMBER OF SEQ ID NOS: 114
Query Match
Bost Local Similarity
                                                                                                                                                                   SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 129
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SEQ ID NO 78
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APPLICANT: Keating, Mark T.
TITLE OP INVENTION: A HOMOZYGOUS MUTATION IN KVLQT1 WHICH CAUSES JERVELL
TITLE OP INVENTION: AND LANGE-NIELSEN SYNDROME
FILE REFERENCE: 2323-128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Keating, Mark T.
APPLICANT: Sanguinetti, Michael C.
APPLICANT: Splawski, 190r
APPLICANT: Splawski, 190r
TITLE OF INVENTION: MUTATIONS IN THE KCNE1 GENE ENCODING HUMAN mink WHICH
TITLE OF INVENTION: CAUSE ARRHYTHMIA SUSCEPTIBILITY THEREBY ESTABLISHING
TITLE OF INVENTION: KCNE1 AS AN LQT GENE
FILE REPERENCE: 2323-131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/09/135,021A CURRENT FILING DATE: 1998-08-17 EARLIER APPLICATION NUMBER: 08/874,655 EARLIER FILING DATE: 1997-06-13 EARLIER APPLICATION NUMBER: 60/094,477 EARLIER FILING DATE: 1998-07-29 NUMBER OF SEQ ID NOS: 80
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        / Match 21.0%; Score 132.5; DB 3; Local Similarity 45.1%; Pred. No. 1.2e-07; nes 23; Conservative 15; Mismatches 12;
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                  21.0%;
45.1%;
                  Score 132.5; DB 3;
Pred. No. 1.2e-07;
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APPLICANT: Keating, Mark T.

APPLICANT: Sanguinetti, Michael C.

APPLICANT: Sanguinetti, Michael C.

APPLICANT: Splawski, Igor

ITILE OF INVENTION: MUTATIONS IN THE KCNEI GENE ENCODING HUMAN mink WHICH

ITITLE OF INVENTION: KCNEI AS AN LQT GENE

FILE REFERENCE: 2323-131

CURRENT FILING DATE: 1999-11-22

EARLIER APPLICATION NUMBER: US 09/135,020

EARLIER APPLICATION NUMBER: 08/921,068

EARLIER APPLICATION NUMBER: 08/921,068

EARLIER APPLICATION NUMBER: 08/93,383

EARLIER FILING DATE: 1997-08-29

EARLIER FILING DATE: 1996-10-29

EARLIER PILING DATE: 1996-10-29

EARLIER PILING DATE: 1995-12-22

EARLIER FILING DATE: 1995-12-22

EARLIER PILING DATE: 1995-12-22

EARLIER FILING DATE: 1995-12-22

EARLIER FILING DATE: 1995-12-22

EARLIER FILING DATE: 1995-12-22
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TITLE OF INVENTION: KVLQTI - A LONG QT SYNDROME GENE
FILE REFERENCE: 2323-133
CURRENT APPLICATION NUMBER: US/09/135,010A
CURRENT FILING DATE: 1998-08-17
PRIOR APPLICATION NUMBER: 60/094,477
PRIOR APPLICATION NUMBER: 60/094,477
PRIOR APPLICATION NUMBER: 08/921,068
PRIOR APPLICATION NUMBER: 08/921,068
PRIOR FILING DATE: 1997-08-29
PRIOR FILING DATE: 1996-10-29
PRIOR APPLICATION NUMBER: 08/739,383
PRIOR FILING DATE: 1996-10-29
PRIOR APPLICATION NUMBER: 60/019,014
PRIOR PILING DATE: 1995-12-22
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SOUTWARE: PatentIn Ver.
SEQ ID NO 4
LENGTH: 129
TYPE: PRT
ORGANISM: Homo sapiens
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EARLIER APPLICATION NUMBER: 60/094,477
EARLIER FILING DATE: 1998-07-29
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                                                                                                                                                                                                                                                                                                  RESULT 7
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CURRENT FILING DATE: 2000-06-19
EARLIER APPLICATION NUMBER: 09/135,010
EARLIER FILING DATE: 1998-08-17
EARLIER APPLICATION NUMBER: 60/094,477
EARLIER FILING DATE: 1998-07-29
EARLIER FILING DATE: 1998-07-29
EARLIER FILING DATE: 1997-08-29
EARLIER APPLICATION NUMBER: 08/921,068
EARLIER APPLICATION NUMBER: 08/739,383
EARLIER APPLICATION NUMBER: 08/739,383
EARLIER FILING DATE: 1995-10-29
EARLIER FILING DATE: 1995-10-29
EARLIER FILING DATE: 1995-12-22
NUMBER OF SEQ ID NOS: 116
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Best Local S
Matches 23
                                                                                                                                                                                                Sequence 4, Application US/09444295
Patent No. 6432644
GENERAL INFORMATION:
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APPLICANT: Keating, Mark T.
APPLICANT: Sanguinetti, Mic
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Patent No. 6420124
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         APPLICANT: Keating, Mark T.
APPLICANT: Sanguinetti, Michael C.
APPLICANT: Sanguinetti, Michael C.
APPLICANT: Sylawski, 190:
TITLE OF INVENTION: MUTATIONS IN THE KCNE1 GENE ENCODING HUMAN mink WHICH
TITLE OF INVENTION: CAUSE ARRHYTHMIA SUSCEPTIBILITY THEREBY ESTABLISHING
TITLE OF INVENTION: KCNE1 AS AN LQT GENE
FILE REFERENCE: 2323-131
CURRENT APPLICATION NUMBER: US/09/444,295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Curran, Mark E.
APPLICANT: Landes, Gregory M.
APPLICANT: Connors, Timothy D.
APPLICANT: Burn, Timothy C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Splawski, Igor
TITLE OF INVENTION: KVLQT1 - A LONG QT SYNDROME GENE
FILE REFERENCE: 2323-133
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CURRENT FILING DATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        h 21.0%; Score 132.5; DB 4
Similarity 45.1%; Pred. No. 1.2e-07;
23; Conservative 15; Mismatches 12
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45.1%; Pred. No. 1.2e-07;
1999-11-22
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US-09-471-468-3
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PRIOR FILING DATE: 1998-08-17
PRIOR PELICATION NUMBER: 08/921,068
PRIOR PILING DATE: 1997-08-29
PRIOR APPLICATION NUMBER: 08/739,383
PRIOR PILING DATE: 1996-10-29
PRIOR PILING DATE: 1996-10-29
PRIOR PILING DATE: 1995-12-22
PRIOR PILING DATE: 1995-12-22
PRIOR APPLICATION NUMBER: 60/094,477
PRIOR FILING DATE: 1998-07-29
PRIOR FILING DATE: 1998-07-29
PRIOR FILING DATE: 1198-07-29
NUMBER OF SEQ ID NOS: 114
SOFTWARE: Patentin Ver. 2.0
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; LENGTH: 129
; TYPE: PRT
                                                                                                                                                  APPLICALE

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Cerrone, Michael C

REGISTRATION NUMBER: 39,132

REFERENCE/DOCKET NUMBER: PF-0;

TELECOMMUNICATION INFORMATION:

TOTREPHONE: 650-855-0555
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                                                                                                                INFORMATION FOR SEQ ID NO:
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APPLICANT:
APPLICANT:
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CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: (
                                                                      SEQUENCE CHARACTERISTICS:
LENGTH: 129 amino acids
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SOFTWARE: FastSEQ for Windows Version
CURRENT APPLICATION DATA:
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TITLE OF INVENTION: DELAYED RECTIFIER POTASSIUM
TITLE OF INVENTION: CHANNEL HOMOLOG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
MMEDIATE SOURCE:
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                                 STRANDEDNESS: single
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                linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   IBM Compatible
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Diskette
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LIBRARY:

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APPLICANT: George Jr., Alfred L.

APPLICANT: Roden, Dan M

TITLE OF INVENTION: METHOD OF SCREENING FOR SUSCEPTIBILITY TO TITLE OF INVENTION: DRUG-INDUCED CARDIAC ARRYTHMIA

FILE REFERENCE: Attorney Docket No. 6458542 1242-33-2

CURRENT APPLICATION NUMBER: US/09/679,185

CURRENT ETLING DATE: 2000-10-04

PRIOR APPLICATION NUMBER: 60/158,696

PRIOR APPLICATION NUMBER: 60/158,696

PRIOR FILING DATE: 1999-10-08

NUMBER OF SEQ ID NOSE: 11

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 2
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US-09-597-732-4
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PRIOR FILING DATE: 1998-08-17
PRIOR APPLICATION NUMBER: 60/094,477
PRIOR FILING DATE: 1998-07-29
PRIOR APPLICATION NUMBER: 08/921,068
PRIOR APPLICATION NUMBER: 08/739,383
PRIOR APPLICATION NUMBER: 08/739,383
                                                                                                                                                                                                                                                                                     Sequence 2, Application US/09679185
Patent No. 6458542
GENERAL INFORMATION:
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LENGTH: 129
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PRIOR FILING DATE: 1995-12-22
NUMBER OF SEQ ID NOS: 116
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CURRENT FILING DATE: 2000-06-19
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TITLE OF INVENTION: KVLQT1 - A LONG QT SYNDROME GENE
FILE REFERENCE: 2323-133
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·LENGTH: 129
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Local Similarity 45.1%; Pred. No. 1.2e-07;
hes 23; Conservative 15; Mismatches 12; Indels 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      51 LYLMVMIGMFSFIIVAILVSTVKSKRREHSNDPYHQYIVED-WQEKYKSQI 100
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Landes, Gregory M.
Connors, Timothy D.
Burn, Timothy C.
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Pred. No. 1.2e-07;
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RESULT 12
US-08-118-101A-6
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; ORGANISM: Homo sapiens
US-09-679-185-2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CURRENT APPLICATION NUMBER: US/09/597,731
CURRENT FILING DATE: 2000-06-19
PRIOR APPLICATION NUMBER: 09/135,010
PRIOR FILLING DATE: 1998-08-17
PRIOR APPLICATION NUMBER: 08/921,068
PRIOR FILLING DATE: 1997-08-29
PRIOR APPLICATION NUMBER: 08/739,383
PRIOR FILLING DATE: 1996-10-29
PRIOR APPLICATION NUMBER: 60/019,014
PRIOR APPLICATION NUMBER: 60/019,014
PRIOR FILLING DATE: 1995-12-22
                                                                                                                                                                                                      GENERAL INFORMATION:
APPLICANT: Kurtz, (
APPLICANT: Knicker)
APPLICANT: McCullo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQ ID NOS:
SOFTWARE: PatentIn Ve
SEQ ID NO 4
                                                                                                                                                                                                                                                                                    Sequence 6, Application US/08118101A Patent No. 5620892
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APPLICANT:
APPLICANT:
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Best Local S
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TITLE OF INVENTION: KVLQTI - A LONG QT SYNDROME GENE
FILE REFERENCE: 2323-133
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 129
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                APPLICANT: Kurtz, Stephen E.
APPLICANT: Knickerbocker, Aron M.
APPLICANT: Knickerbocker, Aron M.
APPLICANT: McCullough, John R.
TITLE OF INVENTION: A STRAIN OF SACCHAROMYCES CEREVISIAE
TITLE OF INVENTION: EXPRESSING THE GENE ENCODING POTASSIUM TRANSPORTER MINK
COMPUTER READABLE FORM:
                                                                                                                             NUMBER OF SEQUENCES: 1
                               STATE: New Jersey COUNTRY: U.S.A.
                                                                                         STREET:
                 COUNTRY: U.S.A. ZIP: 08543-4000
                                                                         CITY: Princeton
                                                                                                             ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local
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                                                                                                                                                                                                                                                                                                                                                                                                     45 LYVLMVLGFFGFFTLGIMLSYIRSKKLEHSNDPFNVYIESDAWQEKDKAYV 95
                                                                                                                                                                                                                                                                                                                                                                                                                               51 LYLMVMIGMFSFIIVAILVSTVKSKRREHSNDPYHQYIVED-WQEKYKSQI 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                23;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            h 21.0%;
Similarity 45.1%;
23; Conservative 1
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                                                                                           P.O.
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Landes, Gregory M.
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                                                                                         Burton Rodney
O. Box 4000
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Pred. No. 1.2e-07;
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MEDIUM TYPE:

Floppy disk

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RESULT 13
US-09-069-896-4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
APPLICANT: Patterson, Chandra
APPLICANT: Corley, Neil C.
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                ATTORNEY AGENT INFORMATION:
NAME: Cerrone, Michael C
REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PF-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (609) 252-4526
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 132 amino acids
                                                                                                                                                                                                                                  SOFTWARE: FastSEQ for Windows Version 2.0 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/069 AGE
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ATTORNEY/AGENT INFORMATION:
NAME: Gaul, Timothy J.
REGISTRATION NUMBER: 33,111
REFERENCE/DOCKET NUMBER: DC:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM: MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TITLE OF INVENTION:
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APPLICATION NUMBER: US
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                           COMPUTER: IBM COMPUTER: OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity nes 23; Conserv
                                                                                                                                                                                                                                                                                                                                                                         COUNTRY: U
                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: amino acid
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OPERATING SYSTEM: PC-DOS/MS-DOS
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                                                                                                                                                                                                                                                                                                                                                                                                                                        B: Incyte Pharmaceuticals, Inc
3174 Porter Drive
                                                  650-845-4166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Corley, Neil C.
                                                                                                                                                                                                                                                                                                                                                                                          USA
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                                                                                                                                                                                                                                                                                                                3: Diskette
IBM Compatible
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Pred. No. 1.2e-07;
5; Mismatches 12;
                                                                                                  PF-0507 US
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   Query Match 20.3%;
Best Local Similarity 41.4%;
Matches 29; Conservative 1:
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Best Local Similarity
Matches 29; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER: IBM Comparible
OPERATING SYSTEM: DOS
SOFTWARE: FESTESOE for Windows Version 2.
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/471,468
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO:
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IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 203977
                                                                                                                                                                              IMMEDIATE SOURCE:
LIBRARY: GenBa
CLONE: 203977
                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE CHARACTERISTICS:
LENGTH: 130 amino acids
TYPE: amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Cerrone, Michael C
REGISTRATION NUMBER: 39,132
REFERENCE DOCKET NUMBER: PF
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ZIP: 94304
COMPUTER READABLE FORM:
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TITLE OF INVENTION: DELAY!
TITLE OF INVENTION: CHANNE
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CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                               STRANDEDNESS:
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STRANDEDNESS: si
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                51 LYLMVMIGMFSFIIVAILVSTVKSKRREHSNDPYHQYIVED-WQEKYKS--QILNLEESK 107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3174 Porter Drive
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                                                                                                                                                                                                                        GenBank
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; Score 128; DB 4; Length 130; ; Pred. No. 3.9e-07; 17; Mismatches 20; Indels
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Sequence 4, Application US/09679185

Patent No. 6458542

GENERAL INFORMATION:

APPLICANT: George Jr., Alfred L.

APPLICANT: Roden, Dan M

TITLE OF INVENTION: METHOD OF SCREENING FOR SUSCEPTIBILITY TO

TITLE OF INVENTION: DRUG-INDUCED CARDIAC ARRYTHMIA

FILE REFERENCE: ALTORNEY DOCKET NO. 6458542 1242-33-2

CURRENT APPLICATION NUMBER: US/09/679,185

CURRENT APPLICATION NUMBER: 60/158,696

PRIOR APPLICATION NUMBER: 60/158,696

PRIOR FILING DATE: 1999-10-08

NUMBER OF SEQ ID NOS: 11

SOFTMARE: Patentin Ver. 2.0

SEQ ID NO 4

LENGTH: 129

TYPE: PRT

ORGANISM: Homo sapiens

US-09-679-185-4
Search completed: October 29, 2003, 10:48:12 Job time: 19 secs
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US-09-679-185-4
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                                                                                                                                                               Query Match 20.2%; Score 127.5; DB 4; Length 129; Best Local Similarity 43.1%; Pred. No. 4.4e-07; Matches 22; Conservative 16; Mismatches 12; Indels 1;
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                                                                               46 LYILMVLGFFGFFTLGIMLSYIRSKKLEHSHDPFNVYIESDAWQEKGKALFQARVLESFR 105
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Perfect score:
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// cgn2_6/ptodata/1/pubpaa/USO6_NEW_PUB.pep:*
// cgn2_6/ptodata/1/pubpaa/USO6_PUBCOMB.pep:*
// cgn2_6/ptodata/1/pubpaa/USO7_NEW_PUB.pep:*
// cgn2_6/ptodata/1/pubpaa/USO8_PUBCOMB.pep:*
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// cgn2_6/ptodata/1/pubpaa/USO9_PUBCOMB.pep:*
// cgn2_6/ptodata/1/pubpaa/USO0_PUBCOMB.pep:*
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/cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*
     GenCore version 5.1.6 (c) 1993 - 2003 Compugen Ltd
15 US-10-000-151B-4
US-09-864-761-36713
US-09-864-761-37234
US-10-224-683-3
US-10-368-643-4
US-10-368-643-4
US-10-260-861-2
US-10-209-534-3
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ALIGNMENTS

US-09-864-761-49007
; Sequence 49007, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:

PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR PELING DATE: 2000-05-26
PRIOR PELING DATE: 2000-05-26
PRIOR PELING DATE: 2000-05-26
PRIOR PELING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2000-10-04
PRIOR PELING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30 GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Acomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
CURRENT FILING DATE: 2001-05-23
CURRENT FILING DATE: 2001-05-23

Sequence 80,

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Sequence 4, Application US/10000151B
; Publication No. US20030013136A1
; Publication No. US20030013136A1
; GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Balser, Jeffrey R.
APPLICANT: Balser, Jeffred L.
TITLE OF INVENTION: HUMAN KCR1 REGULATION OF HERG POTASSIUM CHANNEL BLOCE
FILE REFERENCE: Vanderbilt Ref No. US20030013136A1 VU0120; Attorney Dock
CURRENT APPLICATION NUMBER: US/10/000,151B
; CURRENT FILING DATE: 2000-10-30
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: Patentin version 3.1
; SOFTWARE: Patentin version 3.1
; LENGTH: 123
; TYPE: PRT
; ORGANISM: Homo sapiens
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LENGTH: 123
                                                                                                                                                      Matches
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PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
OTHER INFORMATION: MAP TO AP000120.1
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.98
OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 0.67
OTHER INFORMATION: EST HUMAN HIT: A1962650.1, EVALUE 3.00e-59
OTHER INFORMATION: SWISSPROT HIT: Q9Y8J6, EVALUE 7.00e-67
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APPLICATION NUMBER: US 09/608,408
FILING DATE: 2000-06-30
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APPLICATION NUMBER: US 60/234,687
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00661
FILING DATE: 2001-01-30
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                        SFIIVAILVSTVKSKRREHSNDPYHQYIVEDWQEKYKSQILNLEESKATIHENIGAAGFK
                                                                                                 MSTLSNFTQTLEDVFRRIFITYMDNWRQNTTAEQEALQAKVDAENFYYVILYLMVMIGMF
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       SFIIVAILVSTVKSKRREHSNDPYHQYIVEDWQEKYKSQILNLEESKATIHENIGAAGFK
                                                                            MSTLSNFTQTLEDVFRRIFITYMDNWRQNTTAEQEALQAKVDAENFYYVILYLMVMIGMF
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Pred. No. 3.4e-64;
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Pred. No. 3.4e-64;
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PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR PILING DATE: 2000-02-04
PRIOR PELING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR PILING DATE: 2000-08-03
PRIOR FILING DATE: 2000-08-03
PRIOR PILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR PRIOR PRIOR DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00670
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Hanzel, David K.
Chen, Wensheng
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N: MAP TO APO00052.1

N: EXPRESSED IN BONE MARROW, SIGNAL = 1.1

N: EXPRESSED IN HBL100, SIGNAL = 1.1

N: EXPRESSED IN ADULT LIVER, SIGNAL = 1.2

N: EXPRESSED IN HEART, SIGNAL = 0.92

N: EXPRESSED IN PLACENTA, SIGNAL = 1.4

N: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2

N: EXPRESSED IN HELA, SIGNAL = 1.2

N: EXPRESSED IN LUNG, SIGNAL = 1.2

N: EXPRESSED IN LUNG, SIGNAL = 0.94
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NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence:
SEQ ID NO 37234
LENGTH: 76
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Best Local Similarity
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PRIOR FILING DATE: 2001-01-29
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PRIOR FILING DATE: 2000-05-26
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PRIOR APPLICATION NUMBER: US 60/180,312
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OTHER INFORMATION: SWISSPROT HIT: Q9Y6J6, EVALUE 2.00e-55
OTHER INFORMATION: EST_HUMAN HIT: A1962650.1, EVALUE 1.00
                                                                                                                                                          FILING DATE: 2001-01-30
APPLICATION NUMBER: US 60/234,687
FILING DATE: 2000-09-21
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APPLICATION NUMBER: PCT/US01/00669
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
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FILING DATE: 2000-09-27
APPLICATION NUMBER: PCT/US01/00666
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APPLICATION NUMBER: GB 24263.6
FILING DATE: 2000-10-04
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00662
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00664
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APPLICATION NUMBER: PCT/US01/00667
                                                                                                                  FILING DATE: 2000-06-30
                                                                                                                                     APPLICATION NUMBER: US 09/608,408
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Pred. No.
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                                                       GENERAL INFORMATION:
APPLICANT: Keating, Mark T.
APPLICANT: Sanguinetti, Michael C.
APPLICANT: Curran, Mark E.
APPLICANT: Curran, Mark E.
APPLICANT: Landes, Gregory M.
APPLICANT: Connors, Timothy D.
APPLICANT: Burn, Timothy C.
APPLICANT: Splawski, Igor
TITLE OF INVENTION: KVLQT1 - A LONG QT SYNDROME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: PatentIn version 3.1
SEQ ID NO 3
LENGTH: 129
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Best Local
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CURRENT FILING DATE: 2002-01-06
PRIOR APPLICATION NUMBER: 60/314,331
PRIOR FILING DATE: 2001-08-20
PRIOR APPLICATION NUMBER: 60/378,521
PRIOR FILING DATE: 2002-05-06
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TITLE OF INVENTION: Polymorphisms Associated
FILE REFERENCE: 4389-33
FILE REFERENCE: 2323-163
CURRENT APPLICATION NUMBER: US/10/368,643
CURRENT FILING DATE: 2003-02-20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     / Match 21.0%; Score 132.5; DB 12; Length 129; Local Similarity 45.1%; Pred. No. 2.4e-07; les 23; Conservative 15; Mismatches 12; Indels 1;
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                                                                                                                                                                                                                                                                                                                                                                                                    51 LYLMVMIGMFSFIIVAILVSTVKSKRREHSNDPYHQYIVED-WQEKYKSQI 100
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rienhoff, Jr.,
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SWISSPROT
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ESSED IN HEART, SIGNAL = 1.1
ESSED IN ADULT LIVER, SIGNAL = 0.94
ESSED IN PLACENTA, SIGNAL = 0.59
ESSED IN LUNG, SIGNAL = 0.74
ESSED IN HELA, SIGNAL = 0.66
ESSED IN FETAL LIVER, SIGNAL = 0.66
ESSED IN BRAIN, SIGNAL = 0.66
ESSED IN BRAIN, SIGNAL = 0.7
HUMAN HIT: AI2462391, EVALUE 2.00e-07
SPROT HIT: P15382, EVALUE 1.00e-39
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Pred. No. 1.2e-07;
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APPLICATION NUMBER: FILING DATE: 1998-01

NUMBER: US 09/135,010 1998-08-17

APPLICATION NUMBER: US 09/597,731 FILING DATE: 2000-06-19

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                                                                                                          Best
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SEQ ID NO 4
LENGTH: 129
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                                                                                                                               Query Match
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Best Local Similarity 45.1%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILE REFERENCE: 2323-162
CURRENT APPLICATION NUMBER: US/10/138,316
CURRENT FILING DATE: 2002-05-06
PRIOR APPLICATION NUMBER: 09/444,295
PRIOR FILING DATE: 1999-11-22
PRIOR APPLICATION NUMBER: 09/135,020
PRIOR FILING DATE: 1998-08-17
PRIOR FILING DATE: 1998-08-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Keating, Mark T.
APPLICANT: Sanguinetti, Michael C.
APPLICANT: Splawski, Igor
TITLE OF INVENTION: MUTATIONS IN THE KCNEL GENE ENCODING HUMAN mink WHICH
TITLE OF INVENTION: CAUSE ARRHYTHMIA SUSCEPTIBILITY THEREBY ESTABLISHING
TITLE OF INVENTION: KCNEL AS AN LQT GENE
                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: 60/094,477
PRIOR FILING DATE: 1998-07-29
NUMBER OF SEQ ID NOS: 114
                                                                                                                                                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION NUMBER: 08/921,068 PRIOR FILING DATE: 1997-08-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 60/019,014
PRIOR FILING DATE: 1995-12-22
NUMBER OF SEQ ID NOS: 116
SOFTWARE: Patentin Ver: 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: 08/739,383
PRIOR FILING DATE: 1996-10-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 PRIOR FILING DATE: 1997-08-29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR FILING DATE: 1998-07-29
PRIOR APPLICATION NUMBER: US 08/921,068
                                                                                                                                                                                          ORGANISM: Homo sapiens
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                                                                                                          Local
                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 60/019,014 FILING DATE: 1995-12-22
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                  51 LYLMVMIGMFSFIIVAILVSTVKSKRREHSNDPYHQYIVED-WQEKYKSQI 100
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                                                                                                        Similarity
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                                                                                                        21.0%; Score 132.5; DB 1 45.1%; Pred. No. 2.4e-07;
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                                                                                    Mismatches
                                                                                                                          DB 15; Length 129;
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RESULT 8

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APPLICANT: Roden, Dan M
TITLE OF INVENTION: METHOD OF SCREENING FOR SUSCEPTIBILITY TO
TITLE OF INVENTION: DRUG-INDUCED CARDIAC ARRYTHMIA
FILE REFERENCE: Attorney Docket No. US20030108924A1 1242-33-2
CURRENT APPLICATION NUMBER: US/10/260,861
CURRENT FILING DATE: 2002-09-30
PRIOR APPLICATION NUMBER: 60/158,696
PRIOR FILING DATE: 1999-10-08
NUMBER OF SEQ ID NOS: 11
NUMBER OF SEQ ID NOS: 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: PatentIn Ver. 2.0
                 TELEX: <Unknown>
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 129
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
                                                                                                                      APPLICATION NUMBER: US/09/471,468
FILING DATE: «Unknown»
APPLICATION NUMBER: 09/069,896
FILING DATE: «Unknown»
ATTORNEY/AGENT INFORMATION:
NAME: Cerrone, Michael C
REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PF-0507 US
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastUSEO for Windows Version 2.0
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Drive
                                                                                                                                                                                                                                                                                                                           PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Corley, Neil C.
TITLE OF INVENTION: DELAYED RECTIFIER POTASSIUM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          23;
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                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/10/209,534 FILING DATE: 30-Jul-2002 CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Palo Alto
LENGTH: 129 amino acids
                                                                              TELEFAX: 650-845-4166
                                                                                                         TELEPHONE: 650-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COUNTRY: USA
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                                                                                                                                                   PF-0507 US
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RESULT 10
US-10-209-534-4
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                                                                          US-10-209-534-4
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Query Match
Best Local Similarity
Matches 29; Conserv
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Best Local Similarity
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                                                                                                                                                                                                                                    INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/471,468
FILING DATE: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOPTMARE: PastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Patterson, Chandra
Corley, Neil C.
TITLE OF INVENTION: DELAYED RECTIFIER POTASSIUM
                                                                                         SEQUENCE DESCRIPTION: SEQ ID NO:
                                                                                                                                               IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                             REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PF-0507 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Hillman, Jennifer L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            51 LYLMVMIGMFSFIIVAILVSTVKSKRREHSNDPYHQYIVED-WQEKYKSQI 100
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: US/10/209,534 FILING DATE: 30-Jul-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Incyte Pharmaceuticals, Inc. STREET: 3174 Porter Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LIBRARY: GenBank
CLONE: 452497
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: amino acid
STRANDEDNESS: single
                                                                                                          LIBRARY: GenBank
CLONE: 203977
                                                                                                                                                                               TYPE: amino acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CLASSIFICATION: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COUNTRY: USA
ZIP: 94304
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                                                                                                                                                                  TOPOLOGY:
                                                                                                                                                                                                                                                                                            TELEFAX: 650-845-4166
                                                                                                                                                                                                                                                                                                                                                                                       NAME: Cerrone, Michael C
                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: 09/069,896
                                                                                                                                                                                                                   LENGTH: 130 amino acids
                                                                                                                                                                                                                                                                         TELEX: <Unknown>
 Conservative
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                                                                                                                                                                  linear
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               20.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CHANNEL HOMOLOG
; Score 128; DB 15; Length 130; ; Pred. No. 8e-07; 17; Mismatches 20; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15;
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Pred. No. 2.4e-07;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mismatches
                                                                                           4.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 129;
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 4.
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APPLICANT: George Jr., Alfred L.

APPLICANT: Roden, Dan M

TITLE OF INVENTION: METHOD OF SCREENING FOR SUSCEPTIBILITY TO

TITLE OF INVENTION: DRUG-INDUCED CARDIAC ARRYTHMIA

FILE REFERENCE: Attorney Docket No. US20030108924A1 1242-33-2

CURRENT APPLICATION UNMBER: US/10/260,861

CURRENT FILING DATE: 2002-09-30

PRIOR APPLICATION NUMBER: 60/158,696

PRIOR APPLICATION NUMBER: 60/158,696

PRIOR FILING DATE: 1999-10-08

NUMBER OF SEQ ID NOS: 11

SOPTWARE: Patentin Ver. 2.0

SEQ ID NO 4

LENGTH: 129

TYPE: PRT
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US-10-209-534-1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 1, Application US/10209534
Publication No. US20030113844A1
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo sapiens
                                                                                                      COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0

CURRENT APPLICATION UNMBER: US/10/209,534

FILING DATE: 30-Jul-2002

CLASSIFICATION: Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Match 20.2%; Score 127.5; DB 15; Length 129; Local Similarity 43.1%; Pred. No. 9e-07;
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/471,468
FILING DATE: <UNknown>
APPLICATION NUMBER: 09/069,896
FILING DATE: <Unknown>
                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals,
STREET: 3174 Porter Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: DELAYED RECTIFIER POTASSIUM CHANNEL HOMOLOG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             106
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         51 LYLMVMIGMFSFIIVAILVSTVKSKRREHSNDPYHQYIVED-WQEKYKS--QILNLEESK 107
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           51 LYLMVMIGMFSFIIVAILVSTVKSKRREHSNDPYHQYIVED-WQEKYKSQI 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LYILMVLGFFGFFTLGIMLSYIRSKKLEHSHDFFNYYIESDAWQEKGKALFQARVLESFR 105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ACYVIENQAA 115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         LYVLMVLGFFGFFTLGIMLSYIRSKKLEHSNDFFNVYIESNAWQEKDKAYV 95
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                                                                                                                                                                                                                                                                                                                                                         STATE: CA
                                                                                                                                                                                                                                                                                                                                  COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                           CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patterson,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Chandra
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US-09_815-242-5723
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                                                                           NUMBER OF SEQ ID NOS:
SOFTWARE: FASTSEQ for
SEQ ID NO 5723
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 11.1%;
Best Local Similarity 26.8%;
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                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Identification of Essential Genes
TITLE OF INVENTION: Prokaryotes
FILE REFERENCE: ELITRA.011A
CURRENT APPLICATION NUMBER: US/09/815,242
CURRENT FILING DATE: 2001-03-21
FRIOR APPLICATION NUMBER: 60/191,078
PRIOR PELING DATE: 2000-05-23
PRIOR PILING DATE: 2000-05-23
PRIOR FILING DATE: 2000-05-23
PRIOR FILING DATE: 2000-05-23
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APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Kari L
APPLICANT: Zyskind, Judith W.
                                                                                                                                                            PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/269,308
                                                                                                                                           PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: 60/207,727 PRIOR FILING DATE: 2000-05-26
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INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
                  ORGANISM: Staphylococcus aureus
                                             TYPE: PRT
                                                              LENGTH: 523
                                                                                                                                                                                                                      APPLICATION NUMBER: 60/253,625
FILING DATE: 2000-11-27
                                                                                                                                                                                                                                                              APPLICATION NUMBER: 60/242,578 FILING DATE: 2000-10-23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                64
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 170 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Cerrone, Michael C
REGISTRATION NUMBER: 39,132
REFERENCE/DOCKET NUMBER: PF-0507 US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  LIBRARY: BRSTNOT03
CLONE: 637471
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TELEPAX: 650-845-4166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Yamamoto, Robert T.
Xu, H. Howard
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Carr, Grant J.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Wall, Daniel
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                                                                                                    for Windows Version 4.0
                                                                                                                                         2001-02-16
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Pred. No. 4.4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 15;
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RESULT 15
US-10-301-997-80
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                 Sequence 80, Application US/10301997
Publication No. US20030148346A1
GENERAL INFORMATION:
APPLICANT: Holden, David W.
                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQ ID NOS: 14110
SOFTWARE: FASTSEQ for Windows Version
SEQ ID NO 12651
LENGTH: 525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Kari L.
APPLICANT: Zyekind, Judith W
                                                                                                                                                                                                                                                                                                                                      Best
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APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/269,308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/815,242
CURRENT FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TITLE OF INVENTION: Identification of Essential Genes
TITLE OF INVENTION: Prokaryotes
FILS REFERENCE: ELITRA.011A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION NUMBER: 60/207,727
                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: PRT
                                                                                                                                                                                                                                                                                                                                      Local
   TITLE
                                                                                                                                                                                              94 ------EKYKSQIL---NLEE--SKATIHENIGAAGFKMSP 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    44 EĀIEĀIVEĀĒ------ĠRPDPIYIQAPYSETLTNLLOMISEPYNTYVDESFWS
                                                                                                                                                                   93 VEYEQDENVQKÝVVQPĽHYRNIEERNNKLEAVSFSGQYGDKVSP 136
                                                                                                                                                                                                                                          46 EAIEAIVEAE-----
                                                                                                                                                                                                                                                                             35 EALQAKVDAENFYYVILYLMVMIGMFSFIIVAILVSTVKSKRREHSNDPYHQYIVED-WQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        91 VEYEQDENVQKYVVQPLHYRNIEERNNKLEAVSFSGQYGDKVSP 134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         94 -----EKYKSQIL---NLEE--SKATIHENIGAAGFKMSP 123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  35 EALQAKVDAENFYYVILYLMVMIGMFSFIIVAILVSTVKSKRREHSNDPYHQYIVED-WQ
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Trawick, John D.
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Zyskind, Judith W.
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Yamamoto, Robert T.
                                                                                                                                                                                                                                                                                                                   Conservative
T: Holden, D
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                                                                                                                                                                                                                                                                                                               11.1%; Score 70; DB
27.9%; Pred. No. 18;
Live 14; Mismatches
David W.
I: ANTI-BACTERIAL METHODS AND MATERIALS
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Pred. No.
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ZIP: 60606

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION DATA:
CLASSIFICATION: CUNKNOWN>
PRIOR APPLICATION NUMBER: US/09/527,431
FILING DATE: CUNKNOWN>
PRIOR APPLICATION NUMBER: US/09/527,431
FILING DATE: CUNKNOWN>
APPLICATION NUMBER: US/08/887,534
FILING DATE: CUNKNOWN>
APPLICATION NUMBER: 28341/33996
FILECOMMUNICATION NUMBER: 33,547
REFERENCE/DOCKET NUMBER: 28341/33996
FILECOMMUNICATION NUMBER: 28341/33996
F
Search completed: October 29, 2003, 10:52:13 Job time: 29 secs
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CORRESPONDENCE ADDRESS:
ADDRESSE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 233 South Wacker Drive/6300 Sears Tower
                                                                                                                                                                                       408 K 408
                                                                                                                                                                                                                                                                                                                                                                    348 FSFVVILMMVSFYKDANQERKFLGLTLTENKHRLQEYIKSQQEDYESDILEKRQSRRNIE 407
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STATE: Illinois
COUNTRY: United States of America
ZIP: 60606
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